

**SUBJECT: MultiLayer Ceramic Chip capacitor**

**1) Product discontinuations 2) ECU to ECJ part number changes**

**BULLETIN #:** PG33.032700

**Date:** March 27, 2000

**Effective Dates:** April 1, 2000

**Discontinuations**

October 1, 2000

**Part Number nomenclature changes: ECU to ECJ**

**LAST TIME BUY: We will support existing Panasonic customers of these devices to June 30, 2000. New opportunities will not be accepted.**

**LAST TIME SHIPMENT: To be determined.**

**SUGGESTED REPLACEMENT: No suggested replacement for the discontinued items. ECU to ECJ nomenclature changes are listed below.**

**1) Product discontinuations**

**Low capacitance MLCC's**

**(PART NUMBERS APPEAR ON THE FOLLOWING PAGES)**

| Size | Temperature Characteristics | Rated Voltage(V) | Capacitance Range  | Ending timing  |
|------|-----------------------------|------------------|--------------------|----------------|
| 1206 | CH                          | 50               | 0.5pF to 2400pF    | end March 2000 |
|      | SL                          | 50               | 0.5pF to 3000pF    |                |
|      | B/X7R                       | 50               | 220pF to 0.1uF     |                |
|      |                             | 25               | 33000pF to 82000pF |                |
|      | F/Y5V                       | 50               | 1000pF to 0.22uF   |                |
|      |                             | 25               | 0.1uF to 0.33uF    |                |
| 0805 | B/X7R                       | 50               | 220pF to 820pF     |                |
|      |                             | 25               | 18000pF to 33000pF |                |
|      | F/Y5V                       | 50               | 1000pF to 6800pF   |                |
| 0603 | B/X7R                       | 50               | 220pF to 820pF     |                |
|      | F/Y5V                       | 50               | 1000pF to 6800pF   |                |

**Capacitors with special temperature characteristics**

Demand for the P, R, S, T, and UJ is decreasing as the CH grows in popularity.

| Size | Temperature characteristic | Ending timing  |
|------|----------------------------|----------------|
| All  | P / R / S / T / UJ         | end March 2000 |

**2) Part Number nomenclature changes: ECU to ECJ**

This is a change in part number nomenclature regardless of internal electrode material.

Whether Ni or Pd internal electrode, P/N's will be designated as ECJ- effective on 10/1/2000 shipment. This is just a change in P/N's. There are no further material changes at this time. The part numbers will follow the normal ECJ format shown in our catalogs and in the attached file. Also in the attached is a table containing the cross references ECU to ECJ. The changes in part numbers are detailed in the P/N build. The format of the replacement parts follows the normal ECJ part number structure, i.e. it is **not** merely a prefix change.

## Information of Part No. Nomenclature Change for “ECU series” Multilayer Ceramic Chip Capacitors

We express our hearty gratitude for your warm patronage to our company.

We would like to inform regarding the Part No. nomenclature change for our products as follows.

### 1. Purpose of Part No. Change

We have used “ECU” as product code for Multilayer Ceramic Chip Capacitors so far. However, as the policy of Matsushita Electronic Components Co., Ltd., we have decided to have a uniform third character code of “J”, meaning the surface mount ceramic capacitor component parts manufactured in Matsushita Electronic Components Co., Ltd.

We of Hokkaido Matsushita Electric Co., Ltd. have used “ECJ” part numbers from new products according to the product policy of Matsushita Electronic Components Co., Ltd. and we will supply all products with product code “ECJ” instead of “ECU”.

### 2. Product performance

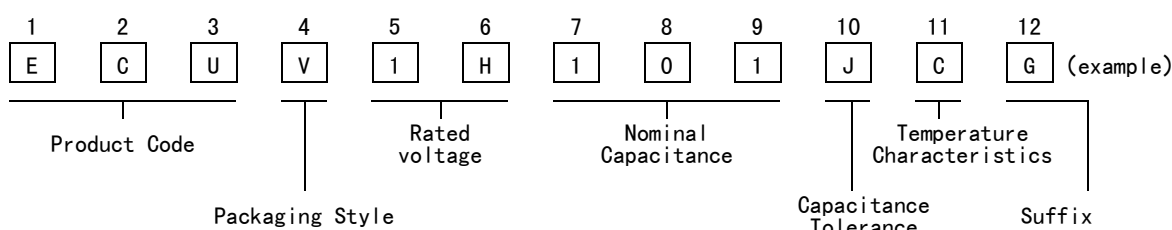
Only product part numbers naming change, and there is no change of product itself.

### 3. Naming change of Part No.

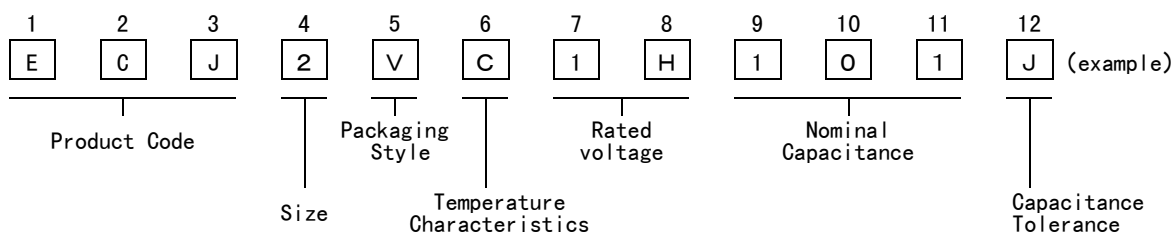
All “ECU series”

### 4. Changing method

[Current Part No.]



[New Part No.]



Multilayer Ceramic Chip Capacitors will be standardized to “ECJ series” by this method.

### 5. Change timing

From October, 2000 effective.

However, it is a changing period from April to October in 2000.

### 6. New Inquiries

For a new design and new adoption, would you please order with “ECJ series”.

This change has been made by our company's convenience, however, we would appreciate it if you would understand it upon your conjecture of our situation.

Y. Takada

General Manager

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MLC Dept.

Hokkaido Matsushita Electric Co., Ltd.

## Multilayer Ceramic Chip Capacitors Part Numbers Comparison List

[illegible]

\*\*\* : Capacitance Tolerance Code  
 [ ] : Discontinue Part Number(ECU series)

\*\*\*: Capacitance Tolerance Cod

# **Multilayer Ceramic Chip Capacitors Part Numbers Comparison List**

Temp.Char.: P/N(150)

| Rated Cap.<br>(pF) | *10*(0402)type |        |         |        | *11*(0603)type |        |         |        | *12*(0805)type |        |         |        | *13*(1206)type |        |         |        |
|--------------------|----------------|--------|---------|--------|----------------|--------|---------|--------|----------------|--------|---------|--------|----------------|--------|---------|--------|
|                    | 50V D.C.       |        |         |        | 50V D.C.       |        |         |        | 50V D.C.       |        |         |        | 50V D.C.       |        |         |        |
|                    | End P/N        | Dim. 1 | New P/N | Dim. 1 | End P/N        | Dim. 1 | New P/N | Dim. 1 | End P/N        | Dim. 1 | New P/N | Dim. 1 | End P/N        | Dim. 1 | New P/N | Dim. 1 |
| 0.5                | ECUE1H085CPQ   | 0.50   |         |        | ECUV1H085CPV   | 0.80   |         |        | ECUV1H085CPN   | 0.60   |         |        | ECUV1H085CPN   | 0.60   |         |        |
| 1                  | ECUE1H1010*PQ  | 0.50   |         |        | ECUV1H1010*PV  | 0.80   |         |        | ECUV1H1010*PN  | 0.60   |         |        | ECUV1H1010*PN  | 0.60   |         |        |
| 1.5                | ECUE1H1H85*PQ  | 0.50   |         |        | ECUV1H1H85*PV  | 0.80   |         |        | ECUV1H1H85*PN  | 0.60   |         |        | ECUV1H1H85*PN  | 0.60   |         |        |
| 2                  | ECUE1H0207*PQ  | 0.50   |         |        | ECUV1H0207*PV  | 0.80   |         |        | ECUV1H0207*PN  | 0.60   |         |        | ECUV1H0207*PN  | 0.60   |         |        |
| 3                  | ECUE1H0303*PQ  | 0.50   |         |        | ECUV1H0303*PV  | 0.80   |         |        | ECUV1H0303*PN  | 0.60   |         |        | ECUV1H0303*PN  | 0.60   |         |        |
| 4                  | ECUE1H0407*PQ  | 0.50   |         |        | ECUV1H0407*PV  | 0.80   |         |        | ECUV1H0407*PN  | 0.60   |         |        | ECUV1H0407*PN  | 0.60   |         |        |
| 5                  | ECUE1H0507*PQ  | 0.50   |         |        | ECUV1H0507*PV  | 0.80   |         |        | ECUV1H0507*PN  | 0.60   |         |        | ECUV1H0507*PN  | 0.60   |         |        |
| 6                  | ECUE1H0600*PQ  | 0.50   |         |        | ECUV1H0600*PV  | 0.80   |         |        | ECUV1H0600*PN  | 0.60   |         |        | ECUV1H0600*PN  | 0.60   |         |        |
| 7                  | ECUE1H0700*PQ  | 0.50   |         |        | ECUV1H0700*PV  | 0.80   |         |        | ECUV1H0700*PN  | 0.60   |         |        | ECUV1H0700*PN  | 0.60   |         |        |
| 8                  | ECUE1H0800*PQ  | 0.50   |         |        | ECUV1H0800*PV  | 0.80   |         |        | ECUV1H0800*PN  | 0.60   |         |        | ECUV1H0800*PN  | 0.60   |         |        |
| 9                  | ECUE1H0900*PQ  | 0.50   |         |        | ECUV1H0900*PV  | 0.80   |         |        | ECUV1H0900*PN  | 0.60   |         |        | ECUV1H0900*PN  | 0.60   |         |        |
| 10                 | ECUE1H1102*PQ  | 0.50   |         |        | ECUV1H1102*PV  | 0.80   |         |        | ECUV1H1102*PN  | 0.60   |         |        | ECUV1H1102*PN  | 0.60   |         |        |
| 11                 | ECUE1H1103*PQ  | 0.50   |         |        | ECUV1H1103*PV  | 0.80   |         |        | ECUV1H1103*PN  | 0.60   |         |        | ECUV1H1103*PN  | 0.60   |         |        |
| 12                 | ECUE1H112_PQ   | 0.50   |         |        | ECUV1H1120*PV  | 0.80   |         |        | ECUV1H1120*PN  | 0.60   |         |        | ECUV1H1120*PN  | 0.60   |         |        |
| 13                 | ECUE1H1303*PQ  | 0.50   |         |        | ECUV1H1303*PV  | 0.80   |         |        | ECUV1H1303*PN  | 0.60   |         |        | ECUV1H1303*PN  | 0.60   |         |        |
| 15                 | ECUE1H1507*PQ  | 0.50   |         |        | ECUV1H1507*PV  | 0.80   |         |        | ECUV1H1507*PN  | 0.60   |         |        | ECUV1H1507*PN  | 0.60   |         |        |
| 16                 | ECUE1H1600*PQ  | 0.50   |         |        | ECUV1H1600*PV  | 0.80   |         |        | ECUV1H1600*PN  | 0.60   |         |        | ECUV1H1600*PN  | 0.60   |         |        |
| 18                 | ECUE1H1807*PQ  | 0.50   |         |        | ECUV1H1807*PV  | 0.80   |         |        | ECUV1H1807*PN  | 0.60   |         |        | ECUV1H1807*PN  | 0.60   |         |        |
| 20                 | ECUE1H2003*PQ  | 0.50   |         |        | ECUV1H2003*PV  | 0.80   |         |        | ECUV1H2003*PN  | 0.60   |         |        | ECUV1H2003*PN  | 0.60   |         |        |
| 22                 | ECUE1H2207*PQ  | 0.50   |         |        | ECUV1H2207*PV  | 0.80   |         |        | ECUV1H2207*PN  | 0.60   |         |        | ECUV1H2207*PN  | 0.60   |         |        |
| 24                 | ECUE1H2403*PQ  | 0.50   |         |        | ECUV1H2403*PV  | 0.80   |         |        | ECUV1H2403*PN  | 0.60   |         |        | ECUV1H2403*PN  | 0.60   |         |        |
| 27                 | ECUE1H2707*PQ  | 0.50   |         |        | ECUV1H2707*PV  | 0.80   |         |        | ECUV1H2707*PN  | 0.60   |         |        | ECUV1H2707*PN  | 0.60   |         |        |
| 30                 | ECUE1H3000*PQ  | 0.50   |         |        | ECUV1H3000*PV  | 0.80   |         |        | ECUV1H3000*PN  | 0.60   |         |        | ECUV1H3000*PN  | 0.60   |         |        |
| 33                 | ECUE1H3307*PQ  | 0.50   |         |        | ECUV1H3307*PV  | 0.80   |         |        | ECUV1H3307*PN  | 0.60   |         |        | ECUV1H3307*PN  | 0.60   |         |        |
| 36                 | ECUE1H3600*PQ  | 0.50   |         |        | ECUV1H3600*PV  | 0.80   |         |        | ECUV1H3600*PN  | 0.60   |         |        | ECUV1H3600*PN  | 0.60   |         |        |
| 39                 | ECUE1H3907*PQ  | 0.50   |         |        | ECUV1H3907*PV  | 0.80   |         |        | ECUV1H3907*PN  | 0.60   |         |        | ECUV1H3907*PN  | 0.60   |         |        |
| 43                 |                |        |         |        | ECUV1H4303*PV  | 0.80   |         |        | ECUV1H4303*PN  | 0.60   |         |        | ECUV1H4303*PN  | 0.60   |         |        |
| 47                 |                |        |         |        | ECUV1H4707*PV  | 0.80   |         |        | ECUV1H4707*PN  | 0.60   |         |        | ECUV1H4707*PN  | 0.60   |         |        |
| 51                 |                |        |         |        | ECUV1H5103*PV  | 0.80   |         |        | ECUV1H5103*PN  | 0.60   |         |        | ECUV1H5103*PN  | 0.60   |         |        |
| 56                 |                |        |         |        | ECUV1H5607*PV  | 0.80   |         |        | ECUV1H5607*PN  | 0.60   |         |        | ECUV1H5607*PN  | 0.60   |         |        |
| 60                 |                |        |         |        | ECUV1H6003*PV  | 0.80   |         |        | ECUV1H6003*PN  | 0.60   |         |        | ECUV1H6003*PN  | 0.60   |         |        |
| 65                 |                |        |         |        | ECUV1H6507*PV  | 0.80   |         |        | ECUV1H6507*PN  | 0.60   |         |        | ECUV1H6507*PN  | 0.60   |         |        |
| 75                 |                |        |         |        | ECUV1H7503*PV  | 0.80   |         |        | ECUV1H7503*PN  | 0.60   |         |        | ECUV1H7503*PN  | 0.60   |         |        |
| 82                 |                |        |         |        | ECUV1H8207*PV  | 0.80   |         |        | ECUV1H8207*PN  | 0.60   |         |        | ECUV1H8207*PN  | 0.60   |         |        |
| 91                 |                |        |         |        | ECUV1H9103*PV  | 0.80   |         |        | ECUV1H9103*PN  | 0.60   |         |        | ECUV1H9103*PN  | 0.60   |         |        |
| 100                |                |        |         |        | ECUV1H101*PV   | 0.80   |         |        | ECUV1H101*PN   | 0.60   |         |        | ECUV1H101*PN   | 0.60   |         |        |
| 110                |                |        |         |        | ECUV1H111*PV   | 0.80   |         |        | ECUV1H111*PN   | 0.60   |         |        | ECUV1H111*PN   | 0.60   |         |        |
| 120                |                |        |         |        | ECUV1H121*PV   | 0.80   |         |        | ECUV1H121*PN   | 0.60   |         |        | ECUV1H121*PN   | 0.60   |         |        |
| 130                |                |        |         |        | ECUV1H131*PV   | 0.80   |         |        | ECUV1H131*PN   | 0.60   |         |        | ECUV1H131*PN   | 0.60   |         |        |
| 150                |                |        |         |        | ECUV1H151*PV   | 0.80   |         |        | ECUV1H151*PN   | 0.60   |         |        | ECUV1H151*PN   | 0.60   |         |        |
| 160                |                |        |         |        | ECUV1H161*PV   | 0.80   |         |        | ECUV1H161*PN   | 0.60   |         |        | ECUV1H161*PN   | 0.60   |         |        |
| 180                |                |        |         |        | ECUV1H181*PV   | 0.80   |         |        | ECUV1H181*PN   | 0.60   |         |        | ECUV1H181*PN   | 0.60   |         |        |
| 200                |                |        |         |        | ECUV1H201*PV   | 0.80   |         |        | ECUV1H201*PN   | 0.60   |         |        | ECUV1H201*PN   | 0.60   |         |        |
| 220                |                |        |         |        | ECUV1H221*PV   | 0.80   |         |        | ECUV1H221*PN   | 0.60   |         |        | ECUV1H221*PN   | 0.60   |         |        |
| 240                |                |        |         |        | ECUV1H241*PV   | 0.85   |         |        | ECUV1H241*PN   | 0.65   |         |        | ECUV1H241*PN   | 0.65   |         |        |
| 270                |                |        |         |        | ECUV1H271*PV   | 0.85   |         |        | ECUV1H271*PN   | 0.65   |         |        | ECUV1H271*PN   | 0.65   |         |        |
| 300                |                |        |         |        | ECUV1H301*PV   | 0.85   |         |        | ECUV1H301*PN   | 0.65   |         |        | ECUV1H301*PN   | 0.65   |         |        |
| 330                |                |        |         |        | ECUV1H331*PV   | 0.85   |         |        | ECUV1H331*PN   | 0.65   |         |        | ECUV1H331*PN   | 0.65   |         |        |
| 360                |                |        |         |        | ECUV1H361*PV   | 0.60   |         |        | ECUV1H361*PN   | 0.60   |         |        | ECUV1H361*PN   | 0.60   |         |        |
| 390                |                |        |         |        | ECUV1H391*PV   | 0.60   |         |        | ECUV1H391*PN   | 0.60   |         |        | ECUV1H391*PN   | 0.60   |         |        |
| 430                |                |        |         |        | ECUV1H431*PV   | 0.60   |         |        | ECUV1H431*PN   | 0.60   |         |        | ECUV1H431*PN   | 0.60   |         |        |
| 470                |                |        |         |        | ECUV1H471*PV   | 0.60   |         |        | ECUV1H471*PN   | 0.60   |         |        | ECUV1H471*PN   | 0.60   |         |        |
| 510                |                |        |         |        | ECUV1H511*PV   | 0.60   |         |        | ECUV1H511*PN   | 0.60   |         |        | ECUV1H511*PN   | 0.60   |         |        |
| 560                |                |        |         |        | ECUV1H561*PV   | 0.60   |         |        | ECUV1H561*PN   | 0.60   |         |        | ECUV1H561*PN   | 0.60   |         |        |
| 620                |                |        |         |        | ECUV1H621*PV   | 0.85   |         |        | ECUV1H621*PN   | 0.85   |         |        | ECUV1H621*PN   | 0.85   |         |        |
| 680                |                |        |         |        | ECUV1H681*PV   | 0.85   |         |        | ECUV1H681*PN   | 0.85   |         |        | ECUV1H681*PN   | 0.85   |         |        |
| 750                |                |        |         |        | ECUV1H751*PV   | 0.85   |         |        | ECUV1H751*PN   | 0.85   |         |        | ECUV1H751*PN   | 0.85   |         |        |
| 820                |                |        |         |        | ECUV1H821*PV   | 0.85   |         |        | ECUV1H821*PN   | 0.85   |         |        | ECUV1H821*PN   | 0.85   |         |        |
| 910                |                |        |         |        | ECUV1H911*PV   | 0.85   |         |        | ECUV1H911*PN   | 0.85   |         |        | ECUV1H911*PN   | 0.85   |         |        |
| 1000               |                |        |         |        | ECUV1H1012*PV  | 0.85   |         |        | ECUV1H1012*PN  | 0.85   |         |        | ECUV1H1012*PN  | 0.85   |         |        |
| 1100               |                |        |         |        | ECUV1H1112*PV  | 0.85   |         |        | ECUV1H1112*PN  | 0.85   |         |        | ECUV1H1112*PN  | 0.85   |         |        |
| 1200               |                |        |         |        | ECUV1H122*PV   | 0.85   |         |        | ECUV1H122*PN   | 0.85   |         |        | ECUV1H122*PN   | 0.85   |         |        |
| 1300               |                |        |         |        |                |        |         |        |                |        |         |        |                |        |         |        |
| 1500               |                |        |         |        |                |        |         |        |                |        |         |        |                |        |         |        |
| 1600               |                |        |         |        |                |        |         |        |                |        |         |        |                |        |         |        |
| 1800               |                |        |         |        |                |        |         |        |                |        |         |        |                |        |         |        |
| 2000               |                |        |         |        |                |        |         |        |                |        |         |        |                |        |         |        |
| 2200               |                |        |         |        |                |        |         |        |                |        |         |        |                |        |         |        |
| 2400               |                |        |         |        |                |        |         |        |                |        |         |        |                |        |         |        |
| 2700               |                |        |         |        |                |        |         |        |                |        |         |        |                |        |         |        |
| 3000               |                |        |         |        |                |        |         |        |                |        |         |        |                |        |         |        |
| 3300               |                |        |         |        |                |        |         |        |                |        |         |        |                |        |         |        |
| 3600               |                |        |         |        |                |        |         |        |                |        |         |        |                |        |         |        |
| 3900               |                |        |         |        |                |        |         |        |                |        |         |        |                |        |         |        |
| 4300               |                |        |         |        |                |        |         |        |                |        |         |        |                |        |         |        |
| 4700               |                |        |         |        |                |        |         |        |                |        |         |        |                |        |         |        |
| 5100               |                |        |         |        |                |        |         |        |                |        |         |        |                |        |         |        |
| 5600               |                |        |         |        |                |        |         |        |                |        |         |        |                |        |         |        |

Capacitance Tolerance Code

Temp.Char.: R(N220)

| Rated Cap.<br>(pF) | *10*(0402)type |        |         |        | *11*(0603)type |        |         |        | *12*(0805)type |        |         |        | *13*(1206)type |        |         |        |
|--------------------|----------------|--------|---------|--------|----------------|--------|---------|--------|----------------|--------|---------|--------|----------------|--------|---------|--------|
|                    | 50V D.C.       |        |         |        | 50V D.C.       |        |         |        | 50V D.C.       |        |         |        | 50V D.C.       |        |         |        |
|                    | End P/N        | Dim. 1 | New P/N | Dim. 1 | End P/N        | Dim. 1 | New P/N | Dim. 1 | End P/N        | Dim. 1 | New P/N | Dim. 1 | End P/N        | Dim. 1 | New P/N | Dim. 1 |
| 0.5                | ECUE1H085CRQ   | 0.50   |         |        | ECUV1H085CRV   | 0.80   |         |        | ECUV1H085CRN   | 0.60   |         |        | ECUV1H085CRN   | 0.60   |         |        |
| 1                  | ECUE1H1010*RQ  | 0.50   |         |        | ECUV1H1010*RV  | 0.80   |         |        | ECUV1H1010*RN  | 0.60   |         |        | ECUV1H1010*RN  | 0.60   |         |        |
| 1.5                | ECUE1H1H85*RQ  | 0.50   |         |        | ECUV1H1H85*RV  | 0.80   |         |        | ECUV1H1H85*RN  | 0.60   |         |        | ECUV1H1H85*RN  | 0.60   |         |        |
| 2                  | ECUE1H0207*RQ  | 0.50   |         |        | ECUV1H0207*RV  | 0.80   |         |        | ECUV1H0207*RN  | 0.60   |         |        | ECUV1H0207*RN  | 0.60   |         |        |
| 3                  | ECUE1H0303*RQ  | 0.50   |         |        | ECUV1H0303*RV  | 0.80   |         |        | ECUV1H0303*RN  | 0.60   |         |        | ECUV1H0303*RN  | 0.60   |         |        |
| 4                  | ECUE1H0407*RQ  | 0.50   |         |        | ECUV1H0407*RV  | 0.80   |         |        | ECUV1H0407*RN  | 0.60   |         |        | ECUV1H0407*RN  | 0.60   |         |        |
| 5                  | ECUE1H0507*RQ  | 0.50   |         |        | ECUV1H0507*RV  | 0.80   |         |        | ECUV1H0507*RN  | 0.60   |         |        | ECUV1H0507*RN  | 0.60   |         |        |
| 6                  | ECUE1H0600*RQ  | 0.50   |         |        | ECUV1H0600*RV  | 0.80   |         |        | ECUV1H0600*RN  | 0.60   |         |        | ECUV1H0600*RN  | 0.60   |         |        |
| 7                  | ECUE1H0700*RQ  | 0.50   |         |        | ECUV1H0700*RV  | 0.80   |         |        | ECUV1H0700*RN  | 0.60   |         |        | ECUV1H0700*RN  | 0.60   |         |        |
| 8                  | ECUE1H0800*RQ  | 0.50   |         |        | ECUV1H0800*RV  | 0.80   |         |        | ECUV1H0800*RN  | 0.60   |         |        | ECUV1H0800*RN  | 0.60   |         |        |
| 9                  | ECUE1H0900*RQ  | 0.50   |         |        | ECUV1H0900*RV  | 0.80   |         |        | ECUV1H0900*RN  | 0.60   |         |        | ECUV1H0900*RN  | 0.60   |         |        |
| 10                 | ECUE1H1102*RQ  | 0.50   |         |        | ECUV1H1102*RV  | 0.80   |         |        | ECUV1H1102*RN  | 0.60   |         |        | ECUV1H1102*RN  | 0.60   |         |        |

# Multilayer Ceramic Chip Capacitors Part Numbers Comparison List

Temp Char. : S(N330)

| Rated Cap.<br>(µF) | *10*(0402)type |       |         |       | *11*(0603)type |       |         |       | *12*(0805)type |       |         |       | *13*(1206)type |       |         |       |
|--------------------|----------------|-------|---------|-------|----------------|-------|---------|-------|----------------|-------|---------|-------|----------------|-------|---------|-------|
|                    | 50V D.C.       |       |         |       | 50V D.C.       |       |         |       | 50V D.C.       |       |         |       | 50V D.C.       |       |         |       |
|                    | End PIN        | Dim.1 | New PIN | Dim.1 | End PIN        | Dim.1 | New PIN | Dim.1 | End PIN        | Dim.1 | New PIN | Dim.1 | End PIN        | Dim.1 | New PIN | Dim.1 |
| 0.5                | ECUE1H0R5C/SQ  | 0.50  |         |       | ECUV1H0R5C/SN  | 0.80  |         |       | ECUV1H0R5C/SN  | 0.80  |         |       | ECUE1H0R5C/TQ  | 0.50  |         |       |
| 1                  | ECUE1H010/SQ   | 0.50  |         |       | ECUV1H010/SV   | 0.80  |         |       | ECUV1H010/SN   | 0.60  |         |       | ECUE1H010/TQ   | 0.50  |         |       |
| 1.5                | ECUE1H1R5/SQ   | 0.50  |         |       | ECUV1H1R5/SV   | 0.80  |         |       | ECUV1H1R5/SN   | 0.60  |         |       | ECUE1H1R5/TQ   | 0.50  |         |       |
| 2                  | ECUE1H202/SQ   | 0.50  |         |       | ECUV1H202/SV   | 0.80  |         |       | ECUV1H202/SN   | 0.60  |         |       | ECUE1H202/TQ   | 0.50  |         |       |
| 3                  | ECUE1H303/SQ   | 0.50  |         |       | ECUV1H303/SV   | 0.80  |         |       | ECUV1H303/SN   | 0.60  |         |       | ECUE1H303/TQ   | 0.50  |         |       |
| 4                  | ECUE1H404/SQ   | 0.50  |         |       | ECUV1H404/SV   | 0.80  |         |       | ECUV1H404/SN   | 0.60  |         |       | ECUE1H404/TQ   | 0.50  |         |       |
| 5                  | ECUE1H505/SQ   | 0.50  |         |       | ECUV1H505/SV   | 0.80  |         |       | ECUV1H505/SN   | 0.60  |         |       | ECUE1H505/TQ   | 0.50  |         |       |
| 6                  | ECUE1H606/SQ   | 0.50  |         |       | ECUV1H606/SV   | 0.80  |         |       | ECUV1H606/SN   | 0.60  |         |       | ECUE1H606/TQ   | 0.50  |         |       |
| 7                  | ECUE1H707/SQ   | 0.50  |         |       | ECUV1H707/SV   | 0.80  |         |       | ECUV1H707/SN   | 0.60  |         |       | ECUE1H707/TQ   | 0.50  |         |       |
| 8                  | ECUE1H808/SQ   | 0.50  |         |       | ECUV1H808/SV   | 0.80  |         |       | ECUV1H808/SN   | 0.60  |         |       | ECUE1H808/TQ   | 0.50  |         |       |
| 9                  | ECUE1H909/SQ   | 0.50  |         |       | ECUV1H909/SV   | 0.80  |         |       | ECUV1H909/SN   | 0.60  |         |       | ECUE1H909/TQ   | 0.50  |         |       |
| 10                 | ECUE1H100/SQ   | 0.50  |         |       | ECUV1H100/SV   | 0.80  |         |       | ECUV1H100/SN   | 0.60  |         |       | ECUE1H100/TQ   | 0.50  |         |       |
| 11                 | ECUE1H110/SQ   | 0.50  |         |       | ECUV1H110/SV   | 0.80  |         |       | ECUV1H110/SN   | 0.60  |         |       | ECUE1H110/TQ   | 0.50  |         |       |
| 12                 | ECUE1H120/SQ   | 0.50  |         |       | ECUV1H120/SV   | 0.80  |         |       | ECUV1H120/SN   | 0.60  |         |       | ECUE1H120/TQ   | 0.50  |         |       |
| 13                 | ECUE1H130/SQ   | 0.50  |         |       | ECUV1H130/SV   | 0.80  |         |       | ECUV1H130/SN   | 0.60  |         |       | ECUE1H130/TQ   | 0.50  |         |       |
| 15                 | ECUE1H150/SQ   | 0.50  |         |       | ECUV1H150/SV   | 0.80  |         |       | ECUV1H150/SN   | 0.60  |         |       | ECUE1H150/TQ   | 0.50  |         |       |
| 16                 | ECUE1H160/SQ   | 0.50  |         |       | ECUV1H160/SV   | 0.80  |         |       | ECUV1H160/SN   | 0.60  |         |       | ECUE1H160/TQ   | 0.50  |         |       |
| 18                 | ECUE1H180/SQ   | 0.50  |         |       | ECUV1H180/SV   | 0.80  |         |       | ECUV1H180/SN   | 0.60  |         |       | ECUE1H180/TQ   | 0.50  |         |       |
| 20                 | ECUE1H200/SQ   | 0.50  |         |       | ECUV1H200/SV   | 0.80  |         |       | ECUV1H200/SN   | 0.60  |         |       | ECUE1H200/TQ   | 0.50  |         |       |
| 22                 | ECUE1H220/SQ   | 0.50  |         |       | ECUV1H220/SV   | 0.80  |         |       | ECUV1H220/SN   | 0.60  |         |       | ECUE1H220/TQ   | 0.50  |         |       |
| 24                 | ECUE1H240/SQ   | 0.50  |         |       | ECUV1H240/SV   | 0.80  |         |       | ECUV1H240/SN   | 0.60  |         |       | ECUE1H240/TQ   | 0.50  |         |       |
| 27                 | ECUE1H270/SQ   | 0.50  |         |       | ECUV1H270/SV   | 0.80  |         |       | ECUV1H270/SN   | 0.60  |         |       | ECUE1H270/TQ   | 0.50  |         |       |
| 30                 | ECUE1H300/SQ   | 0.50  |         |       | ECUV1H300/SV   | 0.80  |         |       | ECUV1H300/SN   | 0.60  |         |       | ECUE1H300/TQ   | 0.50  |         |       |
| 33                 | ECUE1H330/SQ   | 0.50  |         |       | ECUV1H330/SV   | 0.80  |         |       | ECUV1H330/SN   | 0.60  |         |       | ECUE1H330/TQ   | 0.50  |         |       |
| 36                 | ECUE1H360/SQ   | 0.50  |         |       | ECUV1H360/SV   | 0.80  |         |       | ECUV1H360/SN   | 0.60  |         |       | ECUE1H360/TQ   | 0.50  |         |       |
| 39                 | ECUE1H390/SQ   | 0.50  |         |       | ECUV1H390/SV   | 0.80  |         |       | ECUV1H390/SN   | 0.60  |         |       | ECUE1H390/TQ   | 0.50  |         |       |
| 43                 |                |       |         |       | ECUV1H430/SV   | 0.80  |         |       | ECUV1H430/SN   | 0.60  |         |       | ECUE1H430/TQ   | 0.50  |         |       |
| 47                 |                |       |         |       | ECUV1H470/SV   | 0.80  |         |       | ECUV1H470/SN   | 0.60  |         |       | ECUE1H470/TQ   | 0.50  |         |       |
| 51                 |                |       |         |       | ECUV1H510/SV   | 0.80  |         |       | ECUV1H510/SN   | 0.60  |         |       | ECUE1H510/TQ   | 0.50  |         |       |
| 56                 |                |       |         |       | ECUV1H560/SV   | 0.80  |         |       | ECUV1H560/SN   | 0.60  |         |       | ECUE1H560/TQ   | 0.50  |         |       |
| 62                 |                |       |         |       | ECUV1H620/SV   | 0.80  |         |       | ECUV1H620/SN   | 0.60  |         |       | ECUE1H620/TQ   | 0.50  |         |       |
| 68                 |                |       |         |       | ECUV1H680/SV   | 0.80  |         |       | ECUV1H680/SN   | 0.60  |         |       | ECUE1H680/TQ   | 0.50  |         |       |
| 75                 |                |       |         |       | ECUV1H750/SV   | 0.80  |         |       | ECUV1H750/SN   | 0.60  |         |       | ECUE1H750/TQ   | 0.50  |         |       |
| 82                 |                |       |         |       | ECUV1H820/SV   | 0.80  |         |       | ECUV1H820/SN   | 0.60  |         |       | ECUE1H820/TQ   | 0.50  |         |       |
| 91                 |                |       |         |       | ECUV1H910/SV   | 0.80  |         |       | ECUV1H910/SN   | 0.60  |         |       | ECUE1H910/TQ   | 0.50  |         |       |
| 100                |                |       |         |       | ECUV1H101/SV   | 0.80  |         |       | ECUV1H101/SN   | 0.60  |         |       | ECUE1H101/TQ   | 0.50  |         |       |
| 110                |                |       |         |       | ECUV1H111/SV   | 0.80  |         |       | ECUV1H111/SN   | 0.60  |         |       | ECUE1H111/TQ   | 0.50  |         |       |
| 120                |                |       |         |       | ECUV1H121/SV   | 0.80  |         |       | ECUV1H121/SN   | 0.60  |         |       | ECUE1H121/TQ   | 0.50  |         |       |
| 130                |                |       |         |       | ECUV1H131/SV   | 0.80  |         |       | ECUV1H131/SN   | 0.60  |         |       | ECUE1H131/TQ   | 0.50  |         |       |
| 150                |                |       |         |       | ECUV1H151/SV   | 0.80  |         |       | ECUV1H151/SN   | 0.60  |         |       | ECUE1H151/TQ   | 0.50  |         |       |
| 160                |                |       |         |       | ECUV1H161/SV   | 0.80  |         |       | ECUV1H161/SN   | 0.60  |         |       | ECUE1H161/TQ   | 0.50  |         |       |
| 180                |                |       |         |       | ECUV1H181/SV   | 0.80  |         |       | ECUV1H181/SN   | 0.60  |         |       | ECUE1H181/TQ   | 0.50  |         |       |
| 200                |                |       |         |       | ECUV1H201/SV   | 0.80  |         |       | ECUV1H201/SN   | 0.60  |         |       | ECUE1H201/TQ   | 0.50  |         |       |
| 220                |                |       |         |       | ECUV1H221/SV   | 0.85  |         |       | ECUV1H221/SN   | 0.60  |         |       | ECUE1H221/TQ   | 0.50  |         |       |
| 240                |                |       |         |       | ECUV1H241/SV   | 0.85  |         |       | ECUV1H241/SN   | 0.60  |         |       | ECUE1H241/TQ   | 0.50  |         |       |
| 270                |                |       |         |       | ECUV1H271/SV   | 0.85  |         |       | ECUV1H271/SN   | 0.60  |         |       | ECUE1H271/TQ   | 0.50  |         |       |
| 300                |                |       |         |       | ECUV1H301/SV   | 0.85  |         |       | ECUV1H301/SN   | 0.60  |         |       | ECUE1H301/TQ   | 0.50  |         |       |
| 330                |                |       |         |       | ECUV1H331/SV   | 0.85  |         |       | ECUV1H331/SN   | 0.60  |         |       | ECUE1H331/TQ   | 0.50  |         |       |
| 360                |                |       |         |       | ECUV1H361/SV   | 0.85  |         |       | ECUV1H361/SN   | 0.60  |         |       | ECUE1H361/TQ   | 0.50  |         |       |
| 390                |                |       |         |       | ECUV1H391/SV   | 0.85  |         |       | ECUV1H391/SN   | 0.60  |         |       | ECUE1H391/TQ   | 0.50  |         |       |
| 430                |                |       |         |       | ECUV1H431/SV   | 0.85  |         |       | ECUV1H431/SN   | 0.60  |         |       | ECUE1H431/TQ   | 0.50  |         |       |
| 470                |                |       |         |       | ECUV1H471/SV   | 0.85  |         |       | ECUV1H471/SN   | 0.60  |         |       | ECUE1H471/TQ   | 0.50  |         |       |
| 510                |                |       |         |       | ECUV1H511/SV   | 0.85  |         |       | ECUV1H511/SN   | 0.60  |         |       | ECUE1H511/TQ   | 0.50  |         |       |
| 560                |                |       |         |       | ECUV1H561/SV   | 0.85  |         |       | ECUV1H561/SN   | 0.60  |         |       | ECUE1H561/TQ   | 0.50  |         |       |
| 620                |                |       |         |       | ECUV1H621/SV   | 0.85  |         |       | ECUV1H621/SN   | 0.60  |         |       | ECUE1H621/TQ   | 0.50  |         |       |
| 680                |                |       |         |       | ECUV1H681/SV   | 0.85  |         |       | ECUV1H681/SN   | 0.60  |         |       | ECUE1H681/TQ   | 0.50  |         |       |
| 750                |                |       |         |       | ECUV1H751/SV   | 0.85  |         |       | ECUV1H751/SN   | 0.60  |         |       | ECUE1H751/TQ   | 0.50  |         |       |
| 820                |                |       |         |       | ECUV1H821/SV   | 0.85  |         |       | ECUV1H821/SN   | 0.60  |         |       | ECUE1H821/TQ   | 0.50  |         |       |
| 910                |                |       |         |       | ECUV1H911/SV   | 0.85  |         |       | ECUV1H911/SN   | 0.60  |         |       | ECUE1H911/TQ   | 0.50  |         |       |
| 1000               |                |       |         |       | ECUV1H1021/SV  | 0.85  |         |       | ECUV1H1021/SN  | 0.60  |         |       | ECUE1H1021/TQ  | 0.50  |         |       |
| 1100               |                |       |         |       | ECUV1H1121/SV  | 0.85  |         |       | ECUV1H1121/SN  | 0.60  |         |       | ECUE1H1121/TQ  | 0.50  |         |       |
| 1200               |                |       |         |       | ECUV1H1221/SV  | 0.85  |         |       | ECUV1H1221/SN  | 0.60  |         |       | ECUE1H1221/TQ  | 0.50  |         |       |
| 1300               |                |       |         |       | ECUV1H1321/SV  | 0.85  |         |       | ECUV1H1321/SN  | 0.60  |         |       | ECUE1H1321/TQ  | 0.50  |         |       |
| 1500               |                |       |         |       | ECUV1H1521/SV  | 0.85  |         |       | ECUV1H1521/SN  | 0.60  |         |       | ECUE1H1521/TQ  | 0.50  |         |       |
| 1600               |                |       |         |       |                |       |         |       |                |       |         |       |                |       |         |       |
| 1800               |                |       |         |       |                |       |         |       |                |       |         |       |                |       |         |       |
| 2000               |                |       |         |       |                |       |         |       |                |       |         |       |                |       |         |       |
| 2200               |                |       |         |       |                |       |         |       |                |       |         |       |                |       |         |       |
| 2400               |                |       |         |       |                |       |         |       |                |       |         |       |                |       |         |       |
| 2700               |                |       |         |       |                |       |         |       |                |       |         |       |                |       |         |       |
| 3000               |                |       |         |       |                |       |         |       |                |       |         |       |                |       |         |       |
| 3300               |                |       |         |       |                |       |         |       |                |       |         |       |                |       |         |       |
| 3600               |                |       |         |       |                |       |         |       |                |       |         |       |                |       |         |       |
| 3900               |                |       |         |       |                |       |         |       |                |       |         |       |                |       |         |       |
| 4300               |                |       |         |       |                |       |         |       |                |       |         |       |                |       |         |       |
| 4700               |                |       |         |       |                |       |         |       |                |       |         |       |                |       |         |       |
| 5100               |                |       |         |       |                |       |         |       |                |       |         |       |                |       |         |       |
| 5600               |                |       |         |       |                |       |         |       |                |       |         |       |                |       |         |       |

Capacitance Tolerance Code

Temp Char. : T(N470)

| Rated<br>Cap.<br>(µF) | *10*(0402)type<br>50V D.C. |      |        |         | *11*(0603)type<br>50V D.C. |      |        |         | *12*(0805)type<br>50V D.C. |      |        |         | *13*(1206)type<br>50V D.C. |      |        |         |        |
|-----------------------|----------------------------|------|--------|---------|----------------------------|------|--------|---------|----------------------------|------|--------|---------|----------------------------|------|--------|---------|--------|
|                       | End PIN                    |      | Dim. 1 | New PIN | End PIN                    |      | Dim. 1 | New PIN | End PIN                    |      | Dim. 1 | New PIN | End PIN                    |      | Dim. 1 | New PIN | Dim. 1 |
|                       |                            |      |        |         |                            |      |        |         |                            |      |        |         |                            |      |        |         |        |
| 0.5                   | ECUE1H0R5C/TQ              | 0.50 |        |         | ECUV1H0R5C/TN              | 0.80 |        |         | ECUV1H0R5C/TN              | 0.60 |        |         | ECUE1H010/TQ               | 0.50 |        |         |        |
| 1                     | ECUE1H010/TQ               | 0.50 |        |         | ECUV1H010/TN               | 0.60 |        |         | ECUV1H010/TN               | 0.60 |        |         | ECUE1H1R5/TQ               | 0.50 |        |         |        |
| 1.5                   | ECUE1H1R5/TQ               | 0.50 |        |         | ECUV1H1R5/TN               | 0.60 |        |         | ECUV1H1R5/TN               | 0.60 |        |         | ECUE1H202/TQ               | 0.50 |        |         |        |
| 2                     | ECUE1H202/TQ               | 0.50 |        |         | ECUV1H202/TN               | 0.60 |        |         | ECUV1H202/TN               | 0.60 |        |         | ECUE1H303/TQ               | 0.50 |        |         |        |
| 3                     | ECUE1H303/TQ               | 0.50 |        |         | ECUV1H303/TN               | 0.60 |        |         | ECUV1H303/TN               | 0.60 |        |         | ECUE1H404/TQ               | 0.50 |        |         |        |
| 4                     | ECUE1H404/TQ               | 0.50 |        |         | ECUV1H404/TN               | 0.60 |        |         | ECUV1H404/TN               | 0.60 |        |         | ECUE1H505/TQ               | 0.50 |        |         |        |
| 5                     | ECUE1H505/TQ               | 0.50 |        |         | ECUV1H505/TN               | 0.60 |        |         | ECUV1H505/TN               | 0.60 |        |         | ECUE1H606/TQ               | 0.50 |        |         |        |
| 6                     | ECUE1H606/TQ               | 0.50 |        |         | ECUV1H606/TN               | 0.60 |        |         | ECUV1H606/TN               | 0.60 |        |         | ECUE1H707/TQ               | 0.50 |        |         |        |
| 7                     | ECUE1H707/TQ               | 0.50 |        |         | ECUV1H707/TN               | 0.60 |        |         | ECUV1H707/TN               | 0.60 |        |         | ECUE1H808/TQ               | 0.50 |        |         |        |
| 8                     | ECUE1H808/TQ               | 0.50 |        |         | ECUV1H808/TN               | 0.60 |        |         | ECUV1H808/TN               | 0.60 |        |         | ECUE1H909/TQ               | 0.50 |        |         |        |
| 9                     | ECUE1H909/TQ               | 0.50 |        |         | ECUV1H909/TN               | 0.60 |        |         | ECUV1H909/TN               | 0.60 |        |         | ECUE1H100/TQ               | 0.50 |        |         |        |
| 10                    | ECUE1H100/TQ               | 0.50 |        |         | ECUV1H100/TN               | 0.60 |        |         | ECUV1H100/TN               | 0.60 |        |         | ECUE1H110/TQ               | 0.50 |        |         |        |
| 11                    | ECUE1H110/TQ               | 0.50 |        |         | ECUV1H110/TN               | 0.60 |        |         | ECUV1H110/TN               | 0.60 |        |         | ECUE1H120/TQ               | 0.50 |        |         |        |
| 12                    | ECUE1H120/TQ               | 0.50 |        |         | ECUV1H120/TN               | 0.60 |        |         | ECUV1H120/TN               | 0.60 |        |         | ECUE1H130/TQ               | 0.50 |        |         |        |
| 13                    | ECUE1H130/TQ               | 0.50 |        |         | ECUV1H130/TN               | 0.60 |        |         | ECUV1H130/TN               | 0.60 |        |         | ECUE1H150/TQ               | 0.50 |        |         |        |
| 15                    | ECUE1H150/TQ               | 0.50 |        |         | ECUV1H150/TN               | 0.60 |        |         | ECUV1H150/TN               | 0.60 |        |         | ECUE1H160/TQ               | 0.50 |        |         |        |
| 16                    | ECUE1H160/TQ               | 0.50 |        |         | ECUV1H160/TN               | 0.60 |        |         | ECUV1H160/TN               | 0.60 |        |         | ECUE1H180/TQ               | 0.50 |        |         |        |
| 18                    | ECUE1H180/TQ               | 0.50 |        |         | ECUV1H180/TN               | 0.60 |        |         | ECUV1H180/TN               | 0.60 |        |         | ECUE1H200/TQ               | 0.50 |        |         |        |
| 20                    | ECUE1H200/TQ               | 0.50 |        |         | ECUV1H200/TN               | 0.60 |        |         | ECUV1H200/TN               | 0.60 |        |         | ECUE1H220/TQ               | 0.50 |        |         |        |
| 22                    | ECUE1H220/TQ               | 0.50 |        |         | ECUV1H220/TN               | 0.60 |        |         | ECUV1H220/TN               | 0.60 |        |         | ECUE1H240/TQ               | 0.50 |        |         |        |
| 24                    | ECUE1H240/TQ               | 0.50 |        |         | ECUV1H240/TN               | 0.60 |        |         | ECUV1H240/TN               | 0.60 |        |         | ECUE1H270/TQ               | 0.50 |        |         |        |
| 27                    | ECUE1H270/TQ               | 0.50 |        |         | ECUV1H270/TN               | 0.60 |        |         | ECUV1H270/TN               | 0.60 |        |         | ECUE1H300/TQ               | 0.50 |        |         |        |
| 30                    | ECUE1H300/TQ               | 0.50 |        |         | ECUV1H300/TN               | 0.60 |        |         | ECUV1H300/TN               | 0.60 |        |         | ECUE1H330/TQ               | 0.50 |        |         |        |
| 33                    | ECUE1H330/TQ               | 0.50 |        |         | ECUV1H330/TN               | 0.60 |        |         | ECUV1H330/TN               | 0.60 |        |         | ECUE1H360/TQ               | 0.50 |        |         |        |
| 36                    | ECUE1H360/TQ               | 0.50 |        |         | ECUV1H360/TN               | 0.60 |        |         | ECUV1H360/TN               | 0.60 |        |         | ECUE1H390/TQ               | 0.50 |        |         |        |
| 39                    | ECUE1H390/TQ               | 0.50 |        |         | ECUV1H390/TN               | 0.60 |        |         | ECUV1H390/TN               | 0.60 |        |         |                            |      |        |         |        |
| 42                    |                            |      |        |         | ECUV1H420/TN               | 0.60 |        |         | ECUV1H420/TN               | 0.60 |        |         |                            |      |        |         |        |
| 47                    |                            |      |        |         | ECUV1H470/TN               | 0.60 |        |         | ECUV1H470/TN               | 0.60 |        |         |                            |      |        |         |        |
| 51                    |                            |      |        |         | ECUV1H510/TN               | 0.60 |        |         | ECUV1H510/TN               | 0.60 |        |         |                            |      |        |         |        |
| 56                    |                            |      |        |         | ECUV1H560/TN               | 0.60 |        |         | ECUV1H560/TN               | 0.60 |        |         |                            |      |        |         |        |
| 62                    |                            |      |        |         | ECUV1H620/TN               | 0.60 |        |         | ECUV1H620/TN               | 0.60 |        |         |                            |      |        |         |        |
| 68                    |                            |      |        |         | ECUV1H680/TN               | 0.60 |        |         | ECUV1H680/TN               | 0.60 |        |         |                            |      |        |         |        |
| 75                    |                            |      |        |         | ECUV1H750/TN               | 0.60 |        |         | ECUV1H750/TN               | 0.60 |        |         |                            |      |        |         |        |
| 78                    |                            |      |        |         | ECUV1H780/TN               | 0.60 |        |         | ECUV1H780/TN               | 0.60 |        |         |                            |      |        |         |        |
| 82                    |                            |      |        |         | ECUV1H820/TN               | 0.60 |        |         | ECUV1H820/TN               | 0.60 |        |         |                            |      |        |         |        |
| 90                    |                            |      |        |         | ECUV1H90/TN                | 0.60 |        |         | ECUV1H90/TN                | 0.60 |        |         |                            |      |        |         |        |
| 100                   |                            |      |        |         | ECUV1H100/TN               | 0.60 |        |         | ECUV1H100/TN               | 0.60 |        |         |                            |      |        |         |        |
| 110                   |                            |      |        |         | ECUV1H110/TN               | 0.60 |        |         | ECUV1H110/TN               | 0.60 |        |         |                            |      |        |         |        |
| 120                   |                            |      |        |         | ECUV1H120/TN               | 0.60 |        |         | ECUV1H120/TN               | 0.60 |        |         |                            |      |        |         |        |
| 130                   |                            |      |        |         | ECUV1H130/TN               | 0.60 |        |         | ECUV1H130/TN               | 0.60 |        |         |                            |      |        |         |        |
| 150                   |                            |      |        |         | ECUV1H150/TN               | 0.60 |        |         | ECUV1H150/TN               | 0.60 |        |         |                            |      |        |         |        |
| 160                   |                            |      |        |         | ECUV1H160/TN               | 0.60 |        |         | ECUV1H160/TN               | 0.60 |        |         |                            |      |        |         |        |
| 180                   |                            |      |        |         | ECUV1H180/TN               | 0.60 |        |         | ECUV1H180/TN               | 0.60 |        |         |                            |      |        |         |        |
| 200                   |                            |      |        |         | ECUV1H200/TN               | 0.60 |        |         | ECUV1H200/TN               | 0.60 |        |         |                            |      |        |         |        |
| 220                   |                            |      |        |         | ECUV1H220/TN               | 0.60 |        |         | ECUV1H220/TN               | 0.60 |        |         |                            |      |        |         |        |
| 240                   |                            |      |        |         | ECUV1H240/TN               | 0.60 |        |         | ECUV1H240/TN               | 0.60 |        |         |                            |      |        |         |        |
| 270                   |                            |      |        |         | ECUV1H270/TN               | 0.60 |        |         | ECUV1H270/TN               | 0.60 |        |         |                            |      |        |         |        |
| 300                   |                            |      |        |         | ECUV1H300/TN               | 0.60 |        |         | ECUV1H300/TN               | 0.60 |        |         |                            |      |        |         |        |
| 330                   |                            |      |        |         | ECUV1H330/TN               | 0.60 |        |         | ECUV1H330/TN               | 0.60 |        |         |                            |      |        |         |        |
| 360                   |                            |      |        |         | ECUV1H360/TN               | 0.60 |        |         | ECUV1H360/TN               | 0.60 |        |         |                            |      |        |         |        |
| 390                   |                            |      |        |         | ECUV1H390/TN               | 0.60 |        |         | ECUV1H390/TN               | 0.60 |        |         |                            |      |        |         |        |
| 430                   |                            |      |        |         | ECUV1H430/TN               | 0.60 |        |         | ECUV1H430/TN               | 0.60 |        |         |                            |      |        |         |        |
| 470                   |                            |      |        |         | ECUV1H470/TN               | 0.60 |        |         | ECUV1H470/TN               | 0.60 |        |         |                            |      |        |         |        |
| 510                   |                            |      |        |         | ECUV1H510/TN               | 0.60 |        |         | ECUV1H510/TN               | 0.60 |        |         |                            |      |        |         |        |
| 560                   |                            |      |        |         | ECUV1H560/TN               | 0.60 |        |         | ECUV1H560/TN               | 0.60 |        |         |                            |      |        |         |        |
| 620                   |                            |      |        |         | ECUV1H620/TN               | 0.60 |        |         | ECUV1H620/TN               | 0.60 |        |         |                            |      |        |         |        |
| 680                   |                            |      |        |         | ECUV1H680/TN               | 0.60 |        |         | ECUV1H680/TN               | 0.60 |        |         |                            |      |        |         |        |
| 750                   |                            |      |        |         | ECUV1H750/TN               | 0.60 |        |         | ECUV1H750/TN               | 0.60 |        |         |                            |      |        |         |        |
| 820                   |                            |      |        |         | ECUV1H820/TN               | 0.60 |        |         | ECUV1H820/TN               | 0.60 |        |         |                            |      |        |         |        |
| 910                   |                            |      |        |         | ECUV1H910/TN               | 0.60 |        |         | ECUV1H910/TN               | 0.60 |        |         |                            |      |        |         |        |
| 1000                  |                            |      |        |         | ECUV1H1000/TN              | 0.60 |        |         | ECUV1H1000/TN              | 0.60 |        |         |                            |      |        |         |        |
| 1100                  |                            |      |        |         | ECUV1H1100/TN              | 0.60 |        |         | ECUV1H1100/TN              | 0.60 |        |         |                            |      |        |         |        |
| 1200                  |                            |      |        |         | ECUV1H1200/TN              | 0.60 |        |         | ECUV1H1200/TN              | 0.60 |        |         |                            |      |        |         |        |
| 1300                  |                            |      |        |         | ECUV1H1300/TN              | 0.60 |        |         | ECUV1H1300/TN              | 0.60 |        |         |                            |      |        |         |        |
| 1500                  |                            |      |        |         | ECUV1H1500/TN              | 0.60 |        |         | ECUV1H1500/TN              | 0.60 |        |         |                            |      |        |         |        |
| 1600                  |                            |      |        |         | ECUV1H1600/TN              | 0.60 |        |         | ECUV1H1600/TN              | 0.60 |        |         |                            |      |        |         |        |
| 1800                  |                            |      |        |         | ECUV1H1800/TN              | 0.60 |        |         | ECUV1H1800/TN              | 0.60 |        |         |                            |      |        |         |        |
| 2000                  |                            |      |        |         | ECUV1H2000/TN              | 0.60 |        |         | ECUV1H2000/TN              | 0.60 |        |         |                            |      |        |         |        |
| 2200                  |                            |      |        |         | ECUV1H2200/TN              | 0.60 |        |         | ECUV1H2200/TN              | 0.60 |        |         |                            |      |        |         |        |
| 2400                  |                            |      |        |         | ECUV1H2400/TN              | 0.60 |        |         | ECUV1H2400/TN              | 0.60 |        |         |                            |      |        |         |        |
| 2700                  |                            |      |        |         | ECUV1H2700/TN              | 0.60 |        |         | ECUV1H2700/TN              | 0.60 |        |         |                            |      |        |         |        |
| 3000                  |                            |      |        |         | ECUV1H3000/TN              | 0.60 |        |         | ECUV1H3000/TN              | 0.60 |        |         |                            |      |        |         |        |
| 3300                  |                            |      |        |         | ECUV1H3300/TN              | 0.60 |        |         | ECUV1H3300/TN              | 0.60 |        |         |                            |      |        |         |        |
| 3600                  |                            |      |        |         | ECUV1H3600/TN              | 0.60 |        |         | ECUV1H3600/TN              | 0.60 |        |         |                            |      |        |         |        |
| 3900                  |                            |      |        |         | ECUV1H3900/TN              | 0.60 |        |         | ECUV1H3900/TN              | 0.60 |        |         |                            |      |        |         |        |
| 4300                  |                            |      |        |         | ECUV1H4300/TN              | 0.60 |        |         | ECUV1H4300/TN              | 0.60 |        |         |                            |      |        |         |        |
| 4700                  |                            |      |        |         | ECUV1H4700/TN              | 0.60 |        |         | ECUV1H4700/TN              | 0.60 |        |         |                            |      |        |         |        |
| 5100                  |                            |      |        |         | ECUV1H5100/TN              | 0.60 |        |         | ECUV1H5100/TN              | 0.60 |        |         |                            |      |        |         |        |
| 5600                  |                            |      |        |         | ECUV1H5600/TN              | 0.60 |        |         | ECUV1H5600/TN              | 0.60 |        |         |                            |      |        |         |        |
| 6200                  |                            |      |        |         | ECUV1H6200/TN              | 0.60 |        |         | ECUV1H6200/TN              | 0.60 |        |         |                            |      |        |         |        |
| 6800                  |                            |      |        |         | ECUV1H6800/TN              | 0.60 |        |         | ECUV1H6800/TN              | 0.60 |        |         |                            |      |        |         |        |
| 7500                  |                            |      |        |         | ECUV1H7500/TN              | 0.60 |        |         | ECUV1H7500/TN              | 0.60 |        |         |                            |      |        |         |        |
| 8200                  |                            |      |        |         | ECUV1H8200/TN              | 0.60 |        |         | ECUV1H8200/TN              | 0.60 |        |         |                            |      |        |         |        |
| 9100                  |                            |      |        |         | ECUV1H9100/TN              | 0.60 |        |         | ECUV1H9100/TN              | 0.60 |        |         |                            |      |        |         |        |
| 10000                 |                            |      |        |         | ECUV1H10000/TN             | 0.60 |        |         | ECUV1H10000/TN             | 0.60 |        |         |                            |      |        |         |        |
| 11000                 |                            |      |        |         | ECUV1H11000/TN             | 0.60 |        |         | ECUV1H11000/TN             | 0.60 |        |         |                            |      |        |         |        |
| 12000                 |                            |      |        |         | ECUV1H12000/TN             | 0.60 |        |         | ECUV1H12000/TN             | 0.60 |        |         |                            |      |        |         |        |
| 13000                 |                            |      |        |         | ECUV1H13000/TN             | 0.60 |        |         | ECUV1H13000/TN             | 0.60 |        |         |                            |      |        |         |        |
| 15000                 |                            |      |        |         | ECUV1H15000/TN             | 0.60 |        |         | ECUV1H15000/TN             | 0.60 |        |         |                            |      |        |         |        |
| 16000                 |                            |      |        |         | ECUV1H16000/TN             | 0.60 |        |         | ECUV1H16000/TN             | 0.60 |        |         |                            |      |        |         |        |
| 18000                 |                            |      |        |         | ECUV1H18000/TN             | 0.60 |        |         | ECUV1H18000/TN             | 0.60 |        |         |                            |      |        |         |        |
| 20000                 |                            |      |        |         | ECUV1H20000/TN             | 0.60 |        |         | ECUV1H20000/TN             | 0.60 |        |         |                            |      |        |         |        |
| 22000                 |                            |      |        |         | ECUV1H22000/TN             | 0.60 |        |         | ECUV1H22000/TN             | 0.60 |        |         |                            |      |        |         |        |
| 24000                 |                            |      |        |         | ECUV1H24000/TN             | 0.60 |        |         | ECUV1H24000/TN             | 0.60 |        |         |                            |      |        |         |        |
| 27000                 |                            |      |        |         | ECUV1H27000/TN             | 0.60 |        |         | ECUV1H27000/TN             | 0.60 |        |         |                            |      |        |         |        |
| 30000                 |                            |      |        |         | ECUV1H30000/TN             | 0.60 |        |         | ECUV1H30000/TN             | 0.60 |        |         |                            |      |        |         |        |
| 33000                 |                            |      |        |         | ECUV1H33000/TN             | 0.60 |        |         | ECUV1H33000/TN             | 0.60 |        |         |                            |      |        |         |        |
| 36000                 |                            |      |        |         | ECUV1H36000/TN             | 0.60 |        |         | ECUV1H36000/TN             | 0.60 |        |         |                            |      |        |         |        |
| 39000                 |                            |      |        |         | ECUV1H39000/TN             | 0.60 |        |         | ECUV1H39000/TN             | 0.60 |        |         |                            |      |        |         |        |
| 43000                 |                            |      |        |         | ECUV1H43000/TN             | 0.60 |        |         | ECUV1H43000/TN             | 0.60 |        |         |                            |      |        |         |        |
| 47000                 |                            |      |        |         | ECUV1H47000/TN             | 0.60 |        |         | ECUV1H47000/TN             | 0.60 |        |         |                            |      |        |         |        |
| 51000                 |                            |      |        |         | ECUV1H51000/TN             | 0.60 |        |         | ECUV                       |      |        |         |                            |      |        |         |        |

## Multilayer Ceramic Chip Capacitors Part Numbers Comparison List

Temp.Char.: U(N750)

| Rated<br>Cap.<br>(pF) | *10*(0402)type |        |         |        | *11*(0603)type |        |         |        | *12*(0805)type |        |         |        | *13*(1206)type |        |         |        |
|-----------------------|----------------|--------|---------|--------|----------------|--------|---------|--------|----------------|--------|---------|--------|----------------|--------|---------|--------|
|                       | 50V D.C.       |        |         |        | 50V D.C.       |        |         |        | 50V D.C.       |        |         |        | 50V D.C.       |        |         |        |
|                       | End P/N        | Dim. T | New P/N | Dim. T | End P/N        | Dim. T | New P/N | Dim. T | End P/N        | Dim. T | New P/N | Dim. T | End P/N        | Dim. T | New P/N | Dim. T |
| 0.5                   | ECUE1H0R5CUQ   | 0.50   |         |        | ECUV1H0R5CUV   | 0.80   |         |        | ECUV1H0R5CUN   | 0.60   |         |        |                |        |         |        |
| 1                     | ECUE1H010*UQ   | 0.50   |         |        | ECUV1H010*UV   | 0.80   |         |        | ECUV1H010*UN   | 0.60   |         |        |                |        |         |        |
| 1.5                   | ECUE1H1R5*UQ   | 0.50   |         |        | ECUV1H1R5*UV   | 0.80   |         |        | ECUV1H1R5*UN   | 0.60   |         |        |                |        |         |        |
| 2                     | ECUE1H020*UQ   | 0.50   |         |        | ECUV1H020*UV   | 0.80   |         |        | ECUV1H020*UN   | 0.60   |         |        |                |        |         |        |
| 3                     | ECUE1H030*UQ   | 0.50   |         |        | ECUV1H030*UV   | 0.80   |         |        | ECUV1H030*UN   | 0.60   |         |        |                |        |         |        |
| 4                     | ECUE1H040*UQ   | 0.50   |         |        | ECUV1H040*UV   | 0.80   |         |        | ECUV1H040*UN   | 0.60   |         |        |                |        |         |        |
| 5                     | ECUE1H050*UQ   | 0.50   |         |        | ECUV1H050*UV   | 0.80   |         |        | ECUV1H050*UN   | 0.60   |         |        |                |        |         |        |
| 6                     | ECUE1H060DUQ   | 0.50   |         |        | ECUV1H060DUV   | 0.80   |         |        | ECUV1H060DUN   | 0.60   |         |        |                |        |         |        |
| 7                     | ECUE1H070DUQ   | 0.50   |         |        | ECUV1H070DUV   | 0.80   |         |        | ECUV1H070DUN   | 0.60   |         |        |                |        |         |        |
| 8                     | ECUE1H080DUQ   | 0.50   |         |        | ECUV1H080DUV   | 0.80   |         |        | ECUV1H080DUN   | 0.60   |         |        |                |        |         |        |
| 9                     | ECUE1H090DUQ   | 0.50   |         |        | ECUV1H090DUV   | 0.80   |         |        | ECUV1H090DUN   | 0.60   |         |        |                |        |         |        |
| 10                    | ECUE1H100*UQ   | 0.50   |         |        | ECUV1H100*UV   | 0.80   |         |        | ECUV1H100*UN   | 0.60   |         |        |                |        |         |        |
| 11                    | ECUE1H110JUQ   | 0.50   |         |        | ECUV1H110JUV   | 0.80   |         |        | ECUV1H110JUN   | 0.60   |         |        |                |        |         |        |
| 12                    | ECUE1H120*UQ   | 0.50   |         |        | ECUV1H120*UV   | 0.80   |         |        | ECUV1H120*UN   | 0.60   |         |        |                |        |         |        |
| 13                    | ECUE1H130JUQ   | 0.50   |         |        | ECUV1H130JUV   | 0.80   |         |        | ECUV1H130JUN   | 0.60   |         |        |                |        |         |        |
| 15                    | ECUE1H150*UQ   | 0.50   |         |        | ECUV1H150*UV   | 0.80   |         |        | ECUV1H150*UN   | 0.60   |         |        |                |        |         |        |
| 16                    | ECUE1H160JUQ   | 0.50   |         |        | ECUV1H160JUV   | 0.80   |         |        | ECUV1H160JUN   | 0.60   |         |        |                |        |         |        |
| 18                    | ECUE1H180*UQ   | 0.50   |         |        | ECUV1H180*UV   | 0.80   |         |        | ECUV1H180*UN   | 0.60   |         |        |                |        |         |        |
| 20                    | ECUE1H200JUQ   | 0.50   |         |        | ECUV1H200JUV   | 0.80   |         |        | ECUV1H200JUN   | 0.60   |         |        |                |        |         |        |
| 22                    | ECUE1H220*UQ   | 0.50   |         |        | ECUV1H220*UV   | 0.80   |         |        | ECUV1H220*UN   | 0.60   |         |        |                |        |         |        |
| 24                    | ECUE1H240JUQ   | 0.50   |         |        | ECUV1H240JUV   | 0.80   |         |        | ECUV1H240JUN   | 0.60   |         |        |                |        |         |        |
| 27                    | ECUE1H270*UQ   | 0.50   |         |        | ECUV1H270*UV   | 0.80   |         |        | ECUV1H270*UN   | 0.60   |         |        |                |        |         |        |
| 30                    | ECUE1H300JUQ   | 0.50   |         |        | ECUV1H300JUV   | 0.80   |         |        | ECUV1H300JUN   | 0.60   |         |        |                |        |         |        |
| 33                    | ECUE1H330*UQ   | 0.50   |         |        | ECUV1H330*UV   | 0.80   |         |        | ECUV1H330*UN   | 0.60   |         |        |                |        |         |        |
| 36                    | ECUE1H360JUQ   | 0.50   |         |        | ECUV1H360JUV   | 0.80   |         |        | ECUV1H360JUN   | 0.60   |         |        |                |        |         |        |
| 39                    | ECUE1H390*UQ   | 0.50   |         |        | ECUV1H390*UV   | 0.80   |         |        | ECUV1H390*UN   | 0.60   |         |        |                |        |         |        |
| 43                    | ECUE1H430JUQ   | 0.50   |         |        | ECUV1H430JUV   | 0.80   |         |        | ECUV1H430JUN   | 0.60   |         |        |                |        |         |        |
| 47                    | ECUE1H470*UQ   | 0.50   |         |        | ECUV1H470*UV   | 0.80   |         |        | ECUV1H470*UN   | 0.60   |         |        |                |        |         |        |
| 51                    | ECUE1H510JUQ   | 0.50   |         |        | ECUV1H510JUV   | 0.80   |         |        | ECUV1H510JUN   | 0.60   |         |        |                |        |         |        |
| 56                    | ECUE1H560*UQ   | 0.50   |         |        | ECUV1H560*UV   | 0.80   |         |        | ECUV1H560*UN   | 0.60   |         |        |                |        |         |        |
| 62                    | ECUE1H620JUQ   | 0.50   |         |        | ECUV1H620JUV   | 0.80   |         |        | ECUV1H620JUN   | 0.60   |         |        |                |        |         |        |
| 68                    | ECUE1H680*UQ   | 0.50   |         |        | ECUV1H680*UV   | 0.80   |         |        | ECUV1H680*UN   | 0.60   |         |        |                |        |         |        |
| 75                    | ECUE1H750JUQ   | 0.50   |         |        | ECUV1H750JUV   | 0.80   |         |        | ECUV1H750JUN   | 0.60   |         |        |                |        |         |        |
| 82                    | ECUE1H820*UQ   | 0.50   |         |        | ECUV1H820*UV   | 0.80   |         |        | ECUV1H820*UN   | 0.60   |         |        |                |        |         |        |
| 91                    | ECUE1H910JUQ   | 0.50   |         |        | ECUV1H910JUV   | 0.80   |         |        | ECUV1H910JUN   | 0.60   |         |        |                |        |         |        |
| 100                   | ECUE1H101*UQ   | 0.50   |         |        | ECUV1H101*UV   | 0.80   |         |        | ECUV1H101*UN   | 0.60   |         |        |                |        |         |        |
| 110                   | ECUE1H111JUQ   | 0.50   |         |        | ECUV1H111JUV   | 0.80   |         |        | ECUV1H111JUN   | 0.60   |         |        |                |        |         |        |
| 120                   | ECUE1H121*UQ   | 0.50   |         |        | ECUV1H121*UV   | 0.80   |         |        | ECUV1H121*UN   | 0.60   |         |        |                |        |         |        |
| 130                   |                |        |         |        | ECUV1H131JUV   | 0.80   |         |        | ECUV1H131JUN   | 0.60   |         |        |                |        |         |        |
| 150                   |                |        |         |        | ECUV1H151*UV   | 0.80   |         |        | ECUV1H151*UN   | 0.60   |         |        |                |        |         |        |
| 160                   |                |        |         |        | ECUV1H161JUV   | 0.80   |         |        | ECUV1H161JUN   | 0.60   |         |        |                |        |         |        |
| 180                   |                |        |         |        | ECUV1H181*UV   | 0.80   |         |        | ECUV1H181*UN   | 0.60   |         |        |                |        |         |        |
| 200                   |                |        |         |        | ECUV1H201JUV   | 0.80   |         |        | ECUV1H201JUN   | 0.60   |         |        |                |        |         |        |
| 220                   |                |        |         |        | ECUV1H221*UV   | 0.80   |         |        | ECUV1H221*UN   | 0.60   |         |        |                |        |         |        |
| 240                   |                |        |         |        | ECUV1H241JUV   | 0.80   |         |        | ECUV1H241JUN   | 0.60   |         |        |                |        |         |        |
| 270                   |                |        |         |        | ECUV1H271*UV   | 0.80   |         |        | ECUV1H271*UN   | 0.60   |         |        |                |        |         |        |
| 300                   |                |        |         |        | ECUV1H301JUV   | 0.80   |         |        | ECUV1H301JUN   | 0.60   |         |        | ECUV1H301JUW   | 0.60   |         |        |
| 330                   |                |        |         |        | ECUV1H331*UV   | 0.80   |         |        | ECUV1H331*UN   | 0.60   |         |        | ECUV1H331*UW   | 0.60   |         |        |
| 360                   |                |        |         |        | ECUV1H361JUV   | 0.80   |         |        | ECUV1H361JUX   | 0.60   |         |        | ECUV1H361JUW   | 0.60   |         |        |
| 390                   |                |        |         |        | ECUV1H391*UV   | 0.80   |         |        | ECUV1H391*UX   | 0.60   |         |        | ECUV1H391*UW   | 0.60   |         |        |
| 430                   |                |        |         |        | ECUV1H431JUV   | 0.80   |         |        | ECUV1H431JUX   | 0.60   |         |        | ECUV1H431JUW   | 0.60   |         |        |
| 470                   |                |        |         |        | ECUV1H471*UV   | 0.80   |         |        | ECUV1H471*UX   | 0.60   |         |        | ECUV1H471*UW   | 0.60   |         |        |
| 510                   |                |        |         |        | ECUV1H511JUV   | 0.80   |         |        | ECUV1H511JUX   | 0.60   |         |        | ECUV1H511JUW   | 0.60   |         |        |
| 560                   |                |        |         |        | ECUV1H561*UV   | 0.80   |         |        | ECUV1H561*UX   | 0.60   |         |        | ECUV1H561*UW   | 0.60   |         |        |
| 620                   |                |        |         |        | ECUV1H621JUV   | 0.80   |         |        | ECUV1H621JUX   | 0.60   |         |        | ECUV1H621JUW   | 0.60   |         |        |
| 680                   |                |        |         |        | ECUV1H681*UV   | 0.80   |         |        | ECUV1H681*UX   | 0.60   |         |        | ECUV1H681*UW   | 0.60   |         |        |
| 750                   |                |        |         |        | ECUV1H751JUV   | 0.80   |         |        | ECUV1H751JUX   | 0.60   |         |        | ECUV1H751JUW   | 0.60   |         |        |
| 820                   |                |        |         |        | ECUV1H821*UV   | 0.80   |         |        | ECUV1H821*UX   | 0.60   |         |        | ECUV1H821*UW   | 0.60   |         |        |
| 910                   |                |        |         |        | ECUV1H911JUV   | 0.80   |         |        | ECUV1H911JUX   | 0.60   |         |        | ECUV1H911JUW   | 0.60   |         |        |
| 1000                  |                |        |         |        | ECUV1H102*UV   | 0.80   |         |        | ECUV1H102*UX   | 0.60   |         |        | ECUV1H102*UW   | 0.60   |         |        |
| 1100                  |                |        |         |        | ECUV1H112JUV   | 0.80   |         |        | ECUV1H112JUX   | 0.60   |         |        | ECUV1H112JUW   | 0.60   |         |        |
| 1200                  |                |        |         |        | ECUV1H122*UV   | 0.80   |         |        | ECUV1H122*UX   | 0.60   |         |        | ECUV1H122*UW   | 0.60   |         |        |
| 1300                  |                |        |         |        | ECUV1H132JUX   | 0.60   |         |        | ECUV1H132JUX   | 0.60   |         |        | ECUV1H132JUW   | 0.60   |         |        |
| 1500                  |                |        |         |        | ECUV1H152*UX   | 0.60   |         |        | ECUV1H152*UX   | 0.60   |         |        | ECUV1H152*UW   | 0.60   |         |        |
| 1600                  |                |        |         |        | ECUV1H162JUX   | 0.60   |         |        | ECUV1H162JUX   | 0.60   |         |        | ECUV1H162JUW   | 0.60   |         |        |
| 1800                  |                |        |         |        | ECUV1H182*UX   | 0.60   |         |        | ECUV1H182*UX   | 0.60   |         |        | ECUV1H182*UW   | 0.60   |         |        |
| 2000                  |                |        |         |        | ECUV1H202JUX   | 0.60   |         |        | ECUV1H202JUX   | 0.60   |         |        | ECUV1H202JUW   | 0.60   |         |        |
| 2200                  |                |        |         |        | ECUV1H222*UX   | 0.60   |         |        | ECUV1H222*UX   | 0.60   |         |        | ECUV1H222*UW   | 0.60   |         |        |
| 2400                  |                |        |         |        | ECUV1H242JUX   | 0.60   |         |        | ECUV1H242JUX   | 0.60   |         |        | ECUV1H242JUW   | 0.60   |         |        |
| 2700                  |                |        |         |        | ECUV1H272*UX   | 0.60   |         |        | ECUV1H272*UX   | 0.60   |         |        | ECUV1H272*UW   | 0.60   |         |        |
| 3000                  |                |        |         |        |                |        |         |        |                |        |         |        | ECUV1H302JUW   | 0.60   |         |        |
| 3300                  |                |        |         |        |                |        |         |        |                |        |         |        | ECUV1H332*UW   | 0.60   |         |        |
| 3600                  |                |        |         |        |                |        |         |        |                |        |         |        | ECUV1H362JUW   | 0.60   |         |        |
| 3900                  |                |        |         |        |                |        |         |        |                |        |         |        | ECUV1H392*UW   | 0.60   |         |        |
| 4300                  |                |        |         |        |                |        |         |        |                |        |         |        | ECUV1H432JUW   | 0.60   |         |        |
| 4700                  |                |        |         |        |                |        |         |        |                |        |         |        | ECUV1H472*UW   | 0.60   |         |        |
| 5100                  |                |        |         |        |                |        |         |        |                |        |         |        | ECUV1H512JUW   | 0.60   |         |        |
| 5600                  |                |        |         |        |                |        |         |        |                |        |         |        | ECUV1H562*UW   | 0.60   |         |        |

\*\*\* : Capacitance Tolerance Code

11th Nov. 1999  
Matsushita Electronic Components Co.,Ltd.  
Ceramic Division Engineering Section

Multilayer Ceramic Chip Capacitors Part Numbers Comparison List

Temp Char. : B(X7R,X5R)

| Rated<br>Cap.<br>(μF) | *10*(0402)type |        |              |        |               |        |              |        |                      |        |         |        | *11*(0803)type |        |         |        |         |        |         |        |                                 |        |         |        | *12*(0805)type |        |         |        |         |        |         |        |                                 |        |         |        |
|-----------------------|----------------|--------|--------------|--------|---------------|--------|--------------|--------|----------------------|--------|---------|--------|----------------|--------|---------|--------|---------|--------|---------|--------|---------------------------------|--------|---------|--------|----------------|--------|---------|--------|---------|--------|---------|--------|---------------------------------|--------|---------|--------|
|                       | 50V D.C.       |        |              |        | 25VDC         |        |              |        | 16VDC(1C), 10VDC(1A) |        |         |        | 50VDC          |        |         |        | 25VDC   |        |         |        | 16VDC(1C), 10VDC(1A), 6.3VDC(U) |        |         |        | 50VDC          |        |         |        | 25VDC   |        |         |        | 16VDC(1C), 10VDC(1A), 6.3VDC(U) |        |         |        |
|                       | End PIN        | Dim. T | New PIN      | Dim. T | End PIN       | Dim. T | New PIN      | Dim. T | End PIN              | Dim. T | New PIN | Dim. T | End PIN        | Dim. T | New PIN | Dim. T | End PIN | Dim. T | New PIN | Dim. T | End PIN                         | Dim. T | New PIN | Dim. T | End PIN        | Dim. T | New PIN | Dim. T | End PIN | Dim. T | New PIN | Dim. T | End PIN                         | Dim. T | New PIN | Dim. T |
| 100                   | ECUE1H101*1BQ  | 0.50   | ECJ0EB1H101* | 0.50   | ECUE1E101*1BQ | 0.50   | ECJ0EB1E101* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 120                   | ECUE1H121K1BQ  | 0.50   | ECJ0EB1H121K | 0.50   | ECUE1E121K1BQ | 0.50   | ECJ0EB1E121K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 150                   | ECUE1H151*1BQ  | 0.50   | ECJ0EB1H151* | 0.50   | ECUE1E151*1BQ | 0.50   | ECJ0EB1E151* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 180                   | ECUE1H181K1BQ  | 0.50   | ECJ0EB1H181K | 0.50   | ECUE1E181K1BQ | 0.50   | ECJ0EB1E181K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 220                   | ECUE1H221*1BQ  | 0.50   | ECJ0EB1H221* | 0.50   | ECUE1E221*1BQ | 0.50   | ECJ0EB1E221* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 270                   | ECUE1H271K1BQ  | 0.50   | ECJ0EB1H271K | 0.50   | ECUE1E271K1BQ | 0.50   | ECJ0EB1E271K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 330                   | ECUE1H331*1BQ  | 0.50   | ECJ0EB1H331* | 0.50   | ECUE1E331*1BQ | 0.50   | ECJ0EB1E331* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 390                   | ECUE1H391K1BQ  | 0.50   | ECJ0EB1H391K | 0.50   | ECUE1E391K1BQ | 0.50   | ECJ0EB1E391K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 470                   | ECUE1H471*1BQ  | 0.50   | ECJ0EB1H471* | 0.50   | ECUE1E471*1BQ | 0.50   | ECJ0EB1E471* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 560                   | ECUE1H561K1BQ  | 0.50   | ECJ0EB1H561K | 0.50   | ECUE1E561K1BQ | 0.50   | ECJ0EB1E561K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 680                   | ECUE1H681*1BQ  | 0.50   | ECJ0EB1H681* | 0.50   | ECUE1E681*1BQ | 0.50   | ECJ0EB1E681* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 820                   | ECUE1H821K1BQ  | 0.50   | ECJ0EB1H821K | 0.50   | ECUE1E821K1BQ | 0.50   | ECJ0EB1E821K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 1000                  | ECUE1H102*1BQ  | 0.50   | ECJ0EB1H102* | 0.50   | ECUE1E102*1BQ | 0.50   | ECJ0EB1E102* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 1200                  | ECUE1H122K1BQ  | 0.50   | ECJ0EB1H122K | 0.50   | ECUE1E122K1BQ | 0.50   | ECJ0EB1E122K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 1500                  | ECUE1H152*1BQ  | 0.50   | ECJ0EB1H152* | 0.50   | ECUE1E152*1BQ | 0.50   | ECJ0EB1E152* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 1800                  | ECUE1H182K1BQ  | 0.50   | ECJ0EB1H182K | 0.50   | ECUE1E182K1BQ | 0.50   | ECJ0EB1E182K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 2200                  | ECUE1H222*1BQ  | 0.50   | ECJ0EB1H222* | 0.50   | ECUE1E222*1BQ | 0.50   | ECJ0EB1E222* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 2700                  | ECUE1H272K1BQ  | 0.50   | ECJ0EB1H272K | 0.50   | ECUE1E272K1BQ | 0.50   | ECJ0EB1E272K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 3300                  | ECUE1H332*1BQ  | 0.50   | ECJ0EB1H332* | 0.50   | ECUE1E332*1BQ | 0.50   | ECJ0EB1E332* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 3900                  | ECUE1H392K1BQ  | 0.50   | ECJ0EB1H392K | 0.50   | ECUE1E392K1BQ | 0.50   | ECJ0EB1E392K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 4700                  |                |        |              |        | ECUE1E472*1BQ | 0.50   | ECJ0EB1E472* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 5600                  |                |        |              |        | ECUE1E562K1BQ | 0.50   | ECJ0EB1E562K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 6800                  |                |        |              |        | ECUE1E682*1BQ | 0.50   | ECJ0EB1E682* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 8200                  |                |        |              |        | ECUE1E822K1BQ | 0.50   | ECJ0EB1E822K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 10000                 |                |        |              |        | ECUE1C102*1BQ | 0.50   | ECJ0EB1C102* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 12000                 |                |        |              |        | ECUE1C122K1BQ | 0.50   | ECJ0EB1C122K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 15000                 |                |        |              |        | ECUE1C153*1BQ | 0.50   | ECJ0EB1C153* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 18000                 |                |        |              |        | ECUE1C183K    | 0.50   | ECJ0EB1C183K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 22000                 |                |        |              |        | ECUE1C221*1BQ | 0.50   | ECJ0EB1C221* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 27000                 |                |        |              |        | ECUE1C273K    | 0.50   | ECJ0EB1C273K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 33000                 |                |        |              |        | ECUE1C333*1BQ | 0.50   | ECJ0EB1C333* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 39000                 |                |        |              |        | ECUE1C393K    | 0.50   | ECJ0EB1C393K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 47000                 |                |        |              |        | ECUE1C473*1BQ | 0.50   | ECJ0EB1C473* | 0.80   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 56000                 |                |        |              |        | ECUE1C563K    | 0.50   | ECJ0EB1C563K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 68000                 |                |        |              |        | ECUE1C683*1BQ | 0.50   | ECJ0EB1C683* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 82000                 |                |        |              |        | ECUE1C823K    | 0.50   | ECJ0EB1C823K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 100000                |                |        |              |        | ECUE1C104*1BQ | 0.50   | ECJ0EB1C104* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 120000                |                |        |              |        | ECUE1C124K    | 0.50   | ECJ0EB1C124K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 150000                |                |        |              |        | ECUE1C153*1BQ | 0.50   | ECJ0EB1C153* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 180000                |                |        |              |        | ECUE1C183K    | 0.50   | ECJ0EB1C183K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 220000                |                |        |              |        | ECUE1C221*1BQ | 0.50   | ECJ0EB1C221* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 270000                |                |        |              |        | ECUE1C273K    | 0.50   | ECJ0EB1C273K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 330000                |                |        |              |        | ECUE1C333*1BQ | 0.50   | ECJ0EB1C333* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 390000                |                |        |              |        | ECUE1C393K    | 0.50   | ECJ0EB1C393K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 470000                |                |        |              |        | ECUE1C473*1BQ | 0.50   | ECJ0EB1C473* | 0.80   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 560000                |                |        |              |        | ECUE1C563K    | 0.50   | ECJ0EB1C563K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 680000                |                |        |              |        | ECUE1C683*1BQ | 0.50   | ECJ0EB1C683* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 820000                |                |        |              |        | ECUE1C823K    | 0.50   | ECJ0EB1C823K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 1000000               |                |        |              |        | ECUE1C104*1BQ | 0.50   | ECJ0EB1C104* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 1200000               |                |        |              |        | ECUE1C124K    | 0.50   | ECJ0EB1C124K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 1500000               |                |        |              |        | ECUE1C154*1BQ | 0.80   | ECJ0EB1C154* | 0.80   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 1800000               |                |        |              |        | ECUE1C184K    | 0.50   | ECJ0EB1C184K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 2200000               |                |        |              |        | ECUE1C224*1BQ | 0.80   | ECJ0EB1C224* | 0.80   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 2700000               |                |        |              |        | ECUE1C274K    | 0.50   | ECJ0EB1C274K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 3300000               |                |        |              |        | ECUE1C334*1BQ | 0.50   | ECJ0EB1C334* | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 3900000               |                |        |              |        | ECUE1C394K    | 0.50   | ECJ0EB1C394K | 0.50   |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |
| 470000                |                |        |              |        |               |        |              |        |                      |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |                |        |         |        |         |        |         |        |                                 |        |         |        |

\*\*\* Capacitance Tolerance Code: K(+/-10%); or: M(+/-20%)

| Rated<br>Cap.<br>(μF) |
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