

## Multilayer Ceramic Chip Capacitors

Product Top Page

Search by Part No.

Search by Characteristics

Cross Reference

Catalog

Tech Notes

Technical Support Tools

FAQ

C2012X8L1C475K125AC



**TDK item description** C2012X8L1C475KT\*\*\*\*

### Applications



Commercial Grade

Please refer to Part No. [CGA4J1X8L1C475K125AC](#) for Automotive use.

### Feature

150°C

High Temperature Application

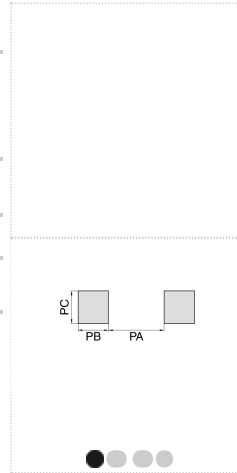
### Series

C2012 [EIA 0805]

### Status



Production



Images are for reference only and show exemplary products.

PDF file of this page

Contact

### Documents

Catalog

Specification

RoHS Certificate

SVHC/REACH Certificate

Sample Kits

Characterization Sheet

### Size

Length(L)	2.00mm ±0.20mm
Width(W)	1.25mm ±0.20mm
Thickness(T)	1.25mm ±0.20mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	0.50mm Min.
Recommended Land Pattern (PA)	1.00mm to 1.30mm(Flow Soldering) 0.90mm to 1.20mm(Reflow Soldering)
Recommended Land Pattern (PB)	1.00mm to 1.20mm(Flow Soldering) 0.70mm to 0.90mm(Reflow Soldering)
Recommended Land Pattern (PC)	0.80mm to 1.10mm(Flow Soldering) 0.90mm to 1.20mm(Reflow Soldering)

### Electrical Characteristics

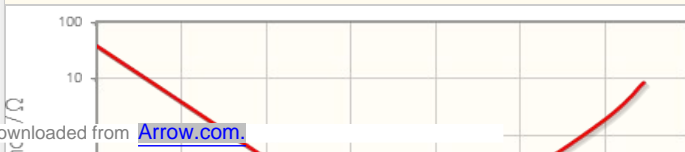
Capacitance	4.7μF ±10%
Rated Voltage	16VDC
Temperature Characteristic	X8L(+15,-40%)
Dissipation Factor (Max.)	5%
Insulation Resistance (Min.)	21MΩ

### Other

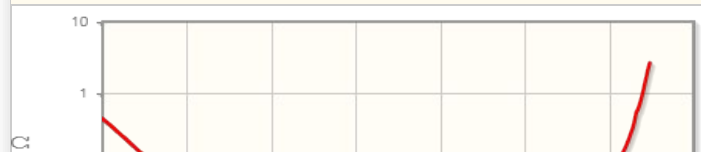
Soldering Method	Wave (Flow) Reflow
AEC-Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs

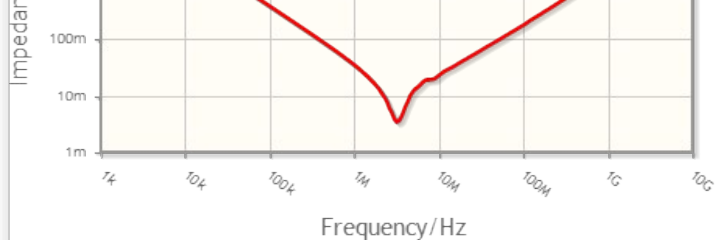
**Characteristic Graph** (This is reference data, and does not guarantee the products characteristics.)

### Impedance



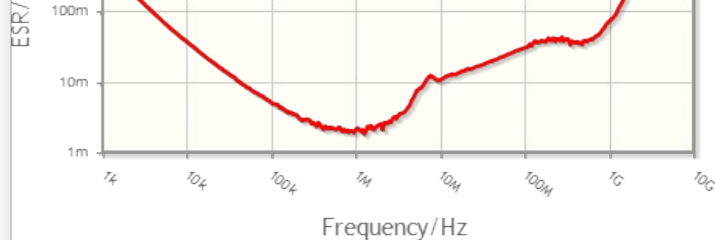
### ESR





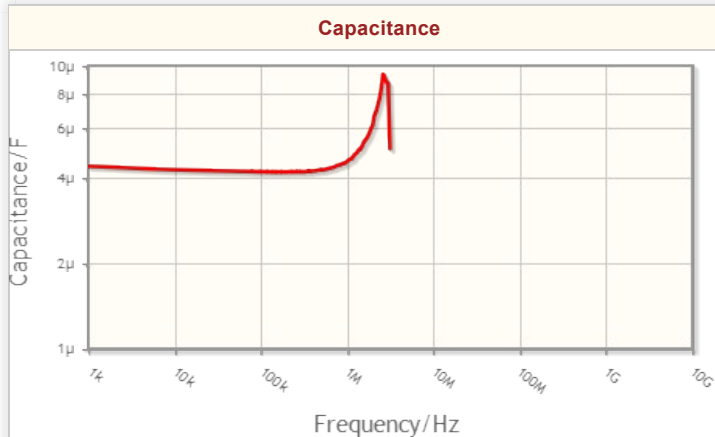
C2012X8L1C475K125AC

Change settings



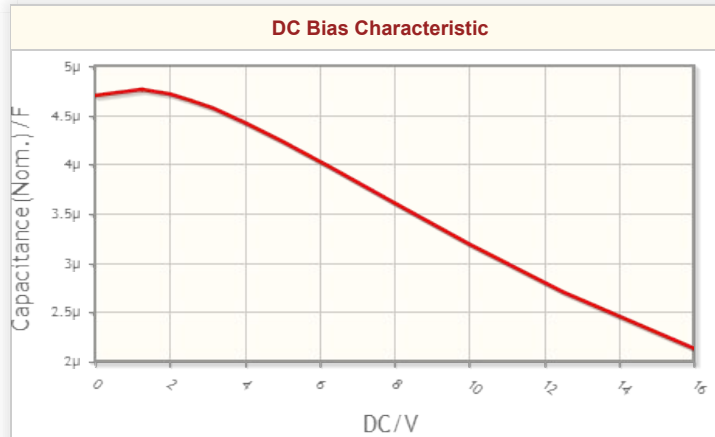
C2012X8L1C475K125AC

Change settings



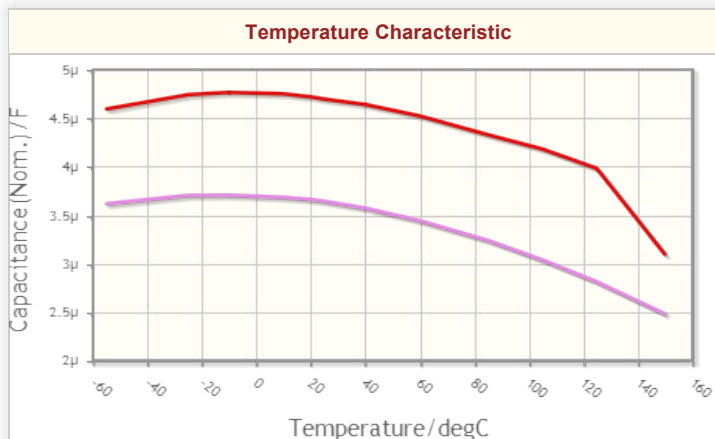
C2012X8L1C475K125AC

Change settings



C2012X8L1C475K125AC

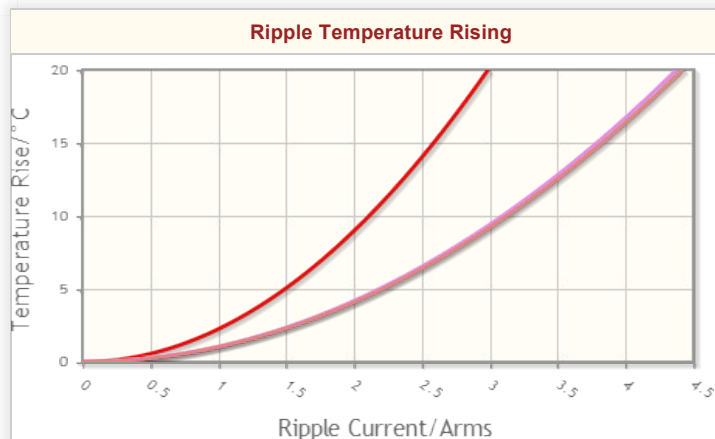
Change settings



C2012X8L1C475K125AC(No Bias)

C2012X8L1C475K125AC(DC Bias = 8V)

Change settings



C2012X8L1C475K125AC(100k Hz)

C2012X8L1C475K125AC(500k Hz)

C2012X8L1C475K125AC(1MHz)

Change settings

## Products

» Selection Guide » Search by Part No. » Search by Characteristics » Distributor Inventory Check

- » Capacitors
- » Inductors (Coils)
- » EMC Components
- » RF Components and Modules
- » Voltage / Current / Temperature Protection Devices
- » Sensors and Sensor Systems
- » Ceramic Switching / Heating, Piezo Components, Buzzers and Microphones
- » Transformers
- » Ferrites and Accessories
- » Noise Suppressing / Magnetic Sheet
- » Anechoic Chambers and Radio Wave Absorbers
- » Power Supplies
- » Magnets
- » Flash Storages
- » Wireless Power Transfer
- » FA Systems
- » Transparent Conductive Film
- » Micro Modules (Substrates with Built-in ICs, Products Utilizing with SESUB)
- » Solar Cells
- » Biosensor

## Application Guides

### Technical Support

### Tech Library

### Environment

### Contact

### News

### Home

- About TDK
- TDK Worldwide

