

# C1005X5R1C474M050BC (TDK item description : C1005X5R1C474MT\*\*\*\*)

Applications



Commercial Grade

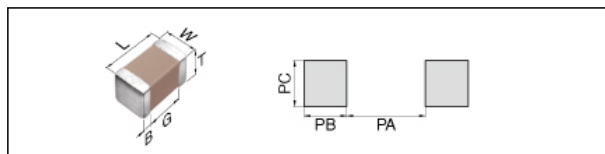
Feature

**General**

General (Up to 50V)

Series

C1005 [EIA CC0402]



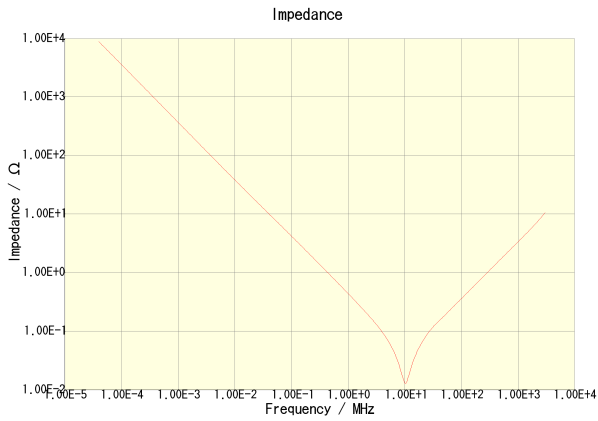
| Size                         |                  |
|------------------------------|------------------|
| Length(L)                    | 1.00mm +/-0.05mm |
| Width(W)                     | 0.50mm +/-0.05mm |
| Thickness(T)                 | 0.50mm +/-0.05mm |
| Terminal Width(B)            | 0.10mm Min.      |
| Terminal Spacing(G)          | 0.30mm Min.      |
| Recommended Land Pattern(PA) | 0.30 to 0.50mm   |
| Recommended Land Pattern(PB) | 0.35 to 0.45mm   |
| Recommended Land Pattern(PC) | 0.40 to 0.60mm   |
| Recommended Slit Pattern(SD) |                  |

| Electrical Characteristics |              |
|----------------------------|--------------|
| Capacitance                | 470nF +/-20% |
| Rated Voltage              | 16Vdc        |
| Temperature Characteristic | X5R(+/-15%)  |
| Dissipation Factor         | 10% Max.     |
| Insulation Resistance      | 212MΩ Min.   |

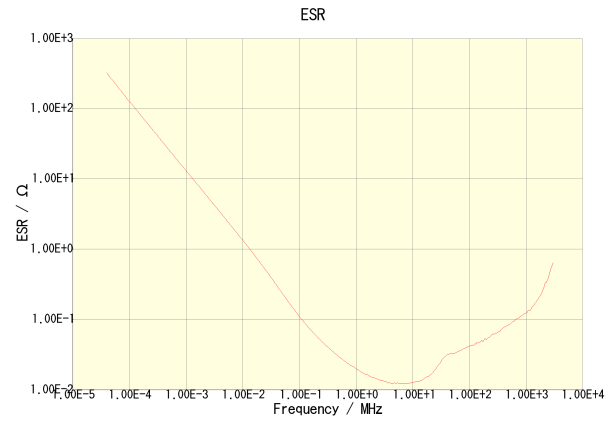
| Other            |                                    |
|------------------|------------------------------------|
| Soldering Method | Reflow                             |
| AEC Q200         | No                                 |
| Packing          | Punched (Paper)Taping [180mm Reel] |
| Package Quantity | 10000Pcs Min.                      |

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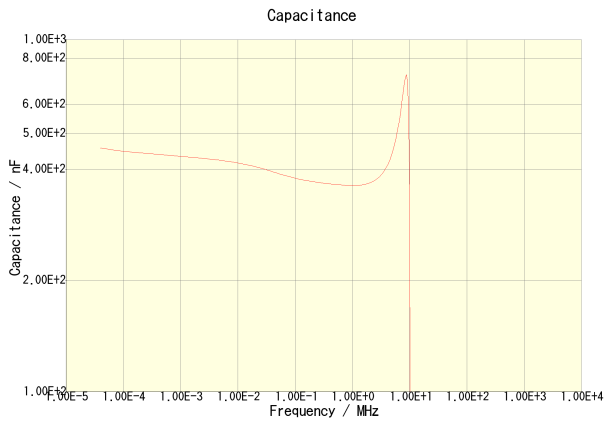
## Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



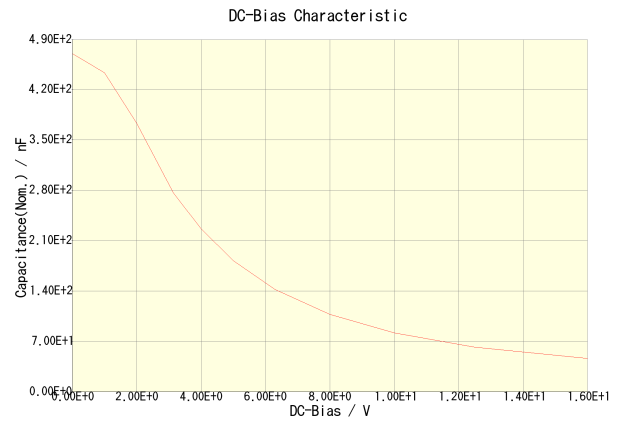
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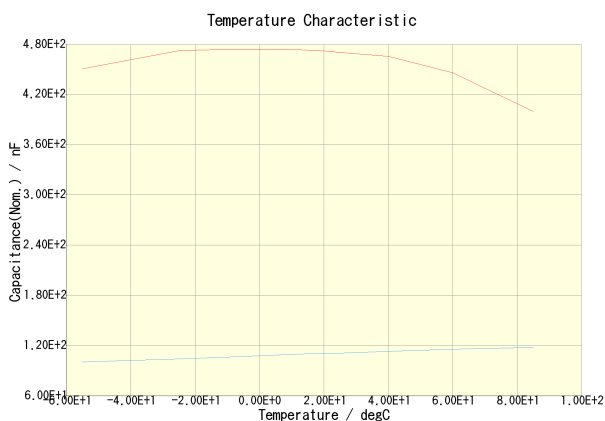
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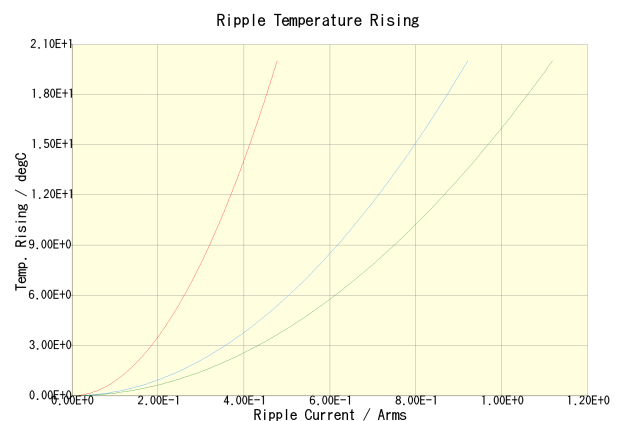
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C1005X5R1C474M050BC



C1005X5R1C474M050BC(DC Bias = 0V) C1005X5R1C474M050BC(DC Bias = 8V)



C1005X5R1C474M050BC(100kHz) C1005X5R1C474M050BC(500kHz)  
C1005X5R1C474M050BC(1MHz)