

C2012X7R2A103K085AA (TDK item description : C2012X7R2A103KT****)

Applications



Commercial Grade



Please refer to Part No. CGA4F2X7R2A103K085AA for automotive use.

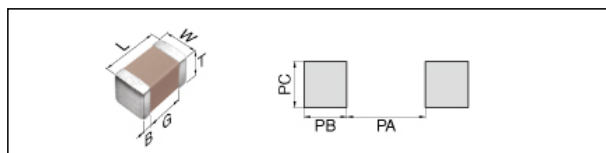
Feature

Mid

Mid Voltage (100 to 630V)

Series

C2012 [EIA CC0805]



Size

| | |
|------------------------------|--|
| Length(L) | 2.00mm +/-0.20mm |
| Width(W) | 1.25mm +/-0.20mm |
| Thickness(T) | 0.85mm +/-0.15mm |
| Terminal Width(B) | 0.20mm Min. |
| Terminal Spacing(G) | 0.50mm Min. |
| Recommended Land Pattern(PA) | 1.00 to 1.30mm (Flow Soldering) 0.90 to 1.20mm (Reflow Soldering) |
| Recommended Land Pattern(PB) | 1.00 to 1.20mm (Flow Soldering) 0.70 to 0.90mm (Reflow Soldering) |
| Recommended Land Pattern(PC) | 0.80 to 1.10mm (Flow Soldering) 0.90 to 1.20mm (Reflow Soldering) |
| Recommended Slit Pattern(SD) | |

Electrical Characteristics

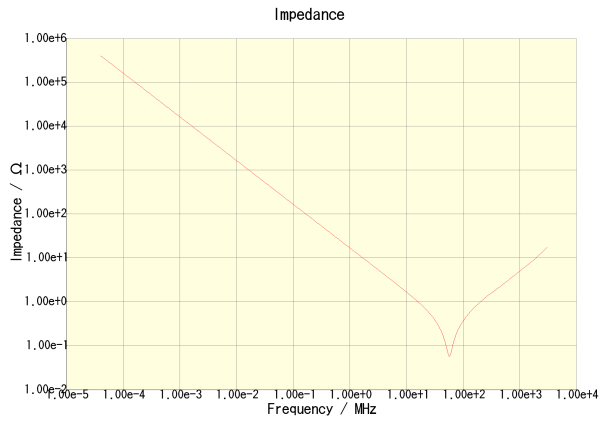
| | |
|----------------------------|--------------|
| Capacitance | 10nF +/-10% |
| Rated Voltage | 100Vdc |
| Temperature Characteristic | X7R(+/-15%) |
| Dissipation Factor | 3% Max. |
| Insulation Resistance | 10000MΩ Min. |

Other

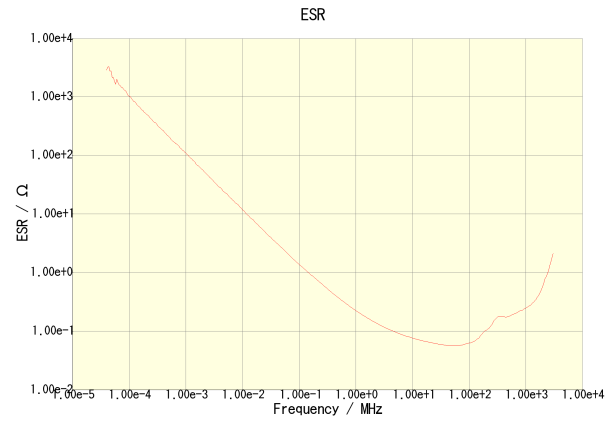
| | |
|------------------|------------------------------------|
| Soldering Method | Reflow, Flow |
| AEC Q200 | No |
| Packing | Punched (Paper)Taping [180mm Reel] |
| Package Quantity | 4000Pcs Min. |

C2012X7R2A103K085AA

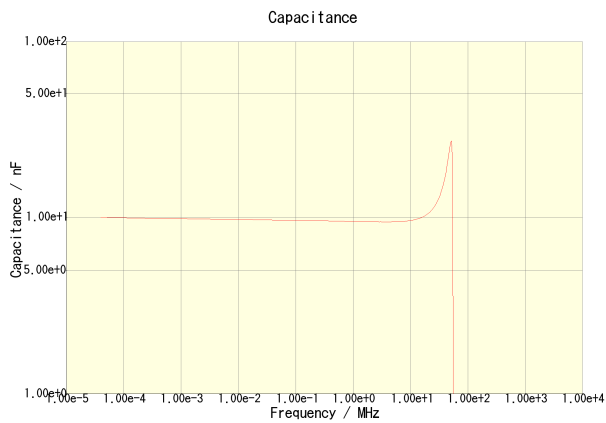
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



C2012X7R2A103K085AA



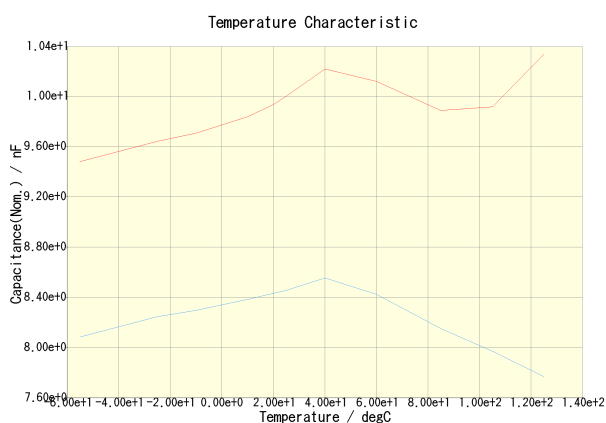
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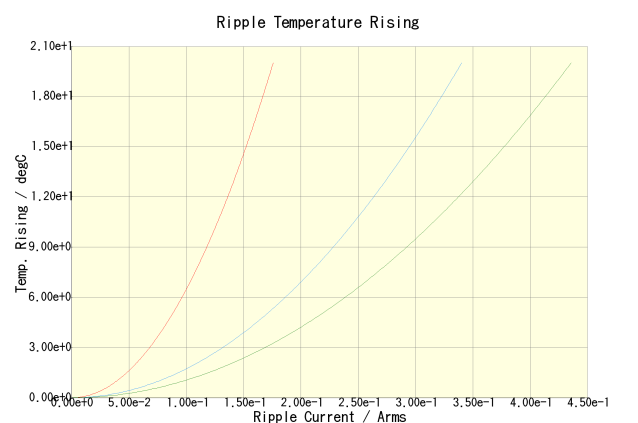
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C2012X7R2A103K085AA(DC Bias = 0V) C2012X7R2A103K085AA(DC Bias = 50V)



C2012X7R2A103K085AA(100kHz) C2012X7R2A103K085AA(500kHz)
C2012X7R2A103K085AA(1MHz)