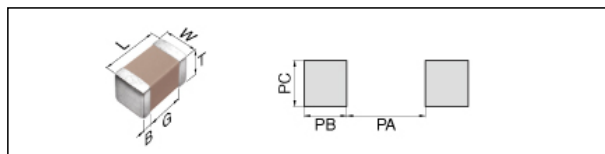


# C3216X7R1A106K160AC (TDK item description : C3216X7R1A106KT\*\*\*\*)

Applications  Commercial Grade

Feature  General (Up to 50V)

Series C3216 [EIA CC1206]



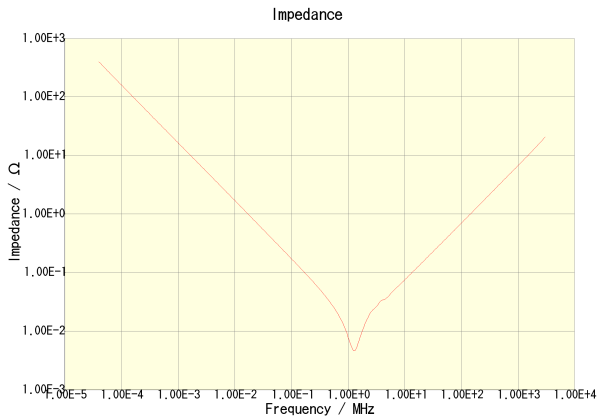
| Size                         |                                                                        |
|------------------------------|------------------------------------------------------------------------|
| Length(L)                    | 3.20mm +/-0.20mm                                                       |
| Width(W)                     | 1.60mm +/-0.20mm                                                       |
| Thickness(T)                 | 1.60mm +/-0.20mm                                                       |
| Terminal Width(B)            | 0.20mm Min.                                                            |
| Terminal Spacing(G)          | 1.00mm Min.                                                            |
| Recommended Land Pattern(PA) | 2.10 to 2.50mm (Flow Soldering)<br />2.00 to 2.40mm (Reflow Soldering) |
| Recommended Land Pattern(PB) | 1.10 to 1.30mm (Flow Soldering)<br />1.00 to 1.20mm (Reflow Soldering) |
| Recommended Land Pattern(PC) | 1.00 to 1.30mm (Flow Soldering)<br />1.10 to 1.60mm (Reflow Soldering) |
| Recommended Slit Pattern(SD) |                                                                        |

| Electrical Characteristics |             |
|----------------------------|-------------|
| Capacitance                | 10uF +/-10% |
| Rated Voltage              | 10Vdc       |
| Temperature Characteristic | X7R(+/-15%) |
| Dissipation Factor         | 5% Max.     |
| Insulation Resistance      | 10MΩ Min.   |

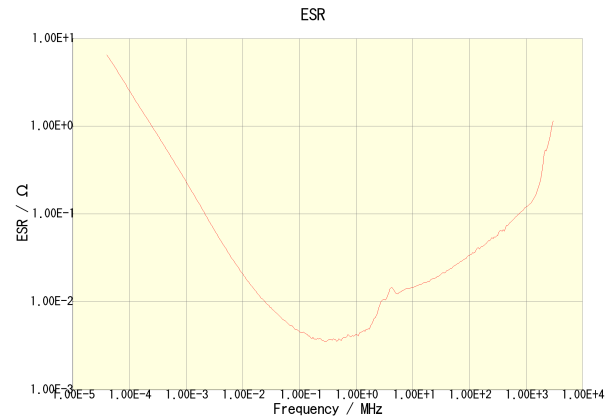
| Other            |                                      |
|------------------|--------------------------------------|
| Soldering Method | Reflow, Flow                         |
| AEC Q200         | No                                   |
| Packing          | Blister (Plastic)Taping [180mm Reel] |
| Package Quantity | 2000Pcs Min.                         |

# C3216X7R1A106K160AC

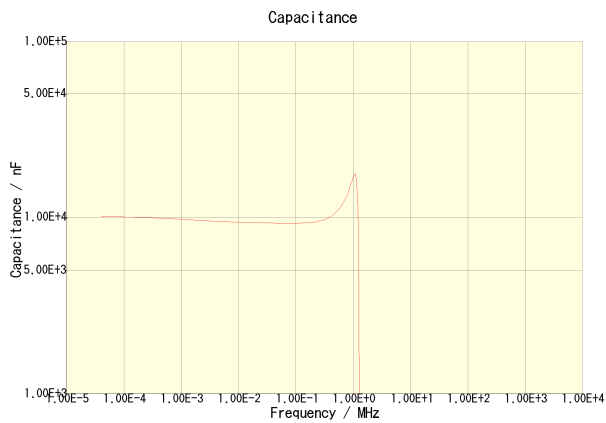
## Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



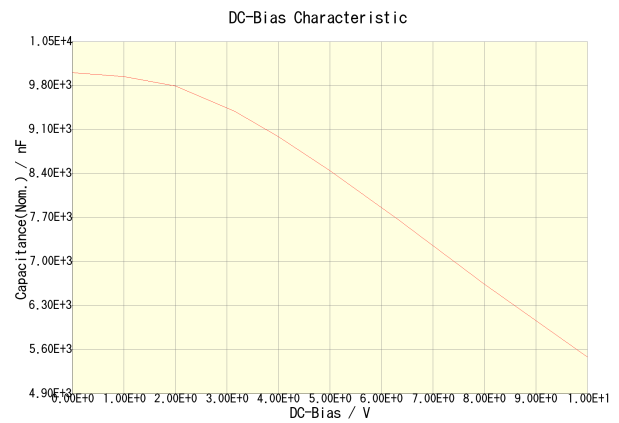
C3216X7R1A106K160AC



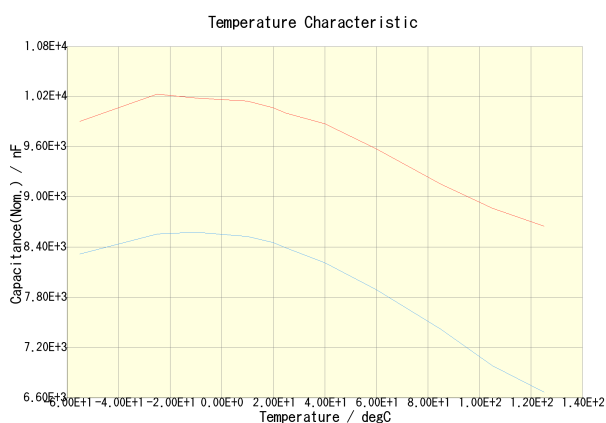
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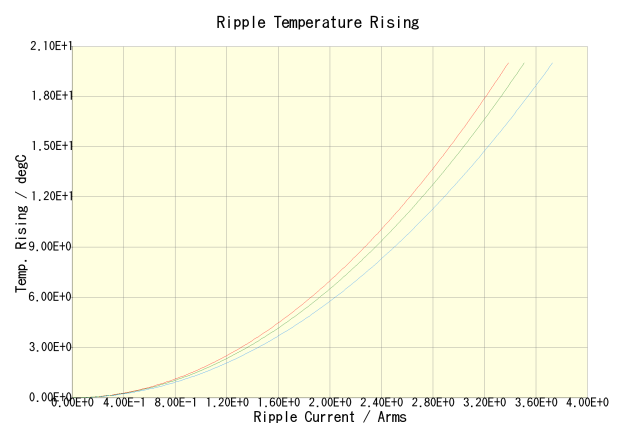
C3216X7R1A106K160AC



C3216X7R1A106K160AC



C3216X7R1A106K160AC(DC Bias = 0V) C3216X7R1A106K160AC(DC Bias = 5V)



C3216X7R1A106K160AC(100kHz) C3216X7R1A106K160AC(500kHz)  
C3216X7R1A106K160AC(1MHz)