

# C3216X7R1E225K160AA (TDK item description : C3216X7R1E225KT\*\*\*\*)

Applications



Commercial Grade



Please refer to Part No. CGA5L2X7R1E225K160AA for automotive use.

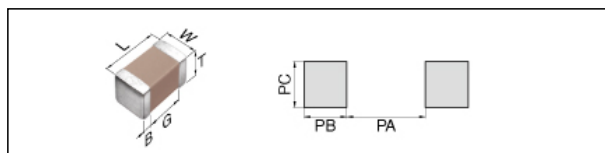
Feature

**General**

General (Up to 50V)

Series

C3216 [EIA CC1206]



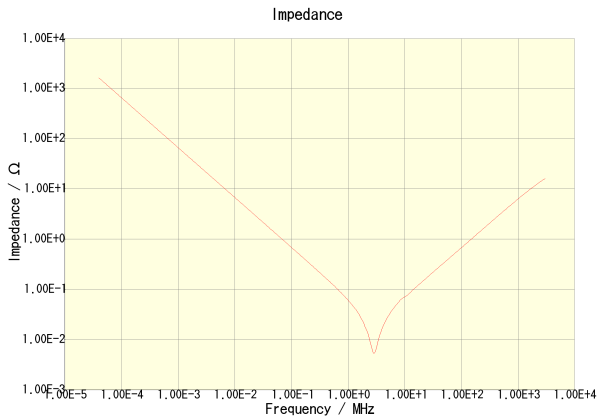
| Size                         |                                                                        |
|------------------------------|------------------------------------------------------------------------|
| Length(L)                    | 3.20mm +/-0.20mm                                                       |
| 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                | 2.2uF +/-10% |
| Rated Voltage              | 25Vdc        |
| Temperature Characteristic | X7R(+/-15%)  |
| Dissipation Factor         | 3% Max.      |
| Insulation Resistance      | 227MΩ Min.   |

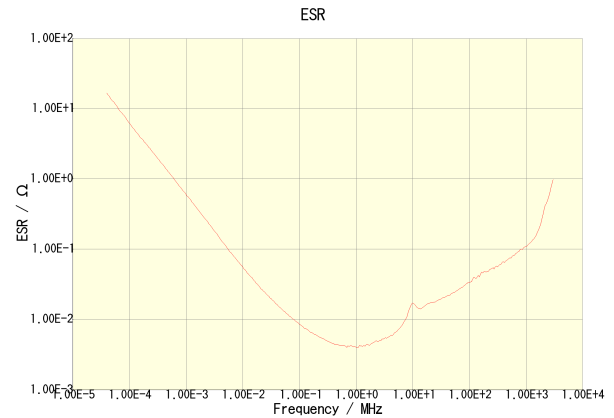
| Other            |                                      |
|------------------|--------------------------------------|
| Soldering Method | Reflow, Flow                         |
| AEC Q200         | No                                   |
| Packing          | Blister (Plastic)Taping [180mm Reel] |
|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

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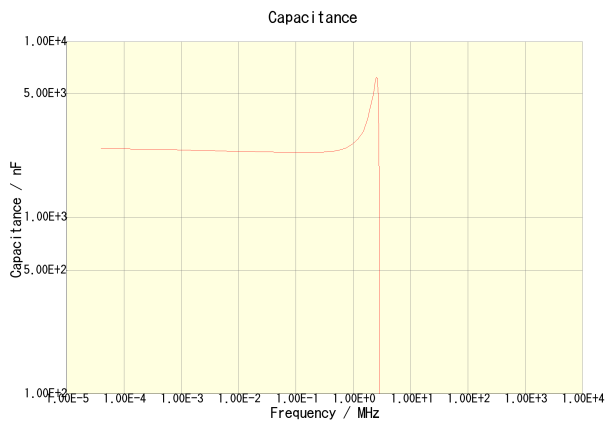
## Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



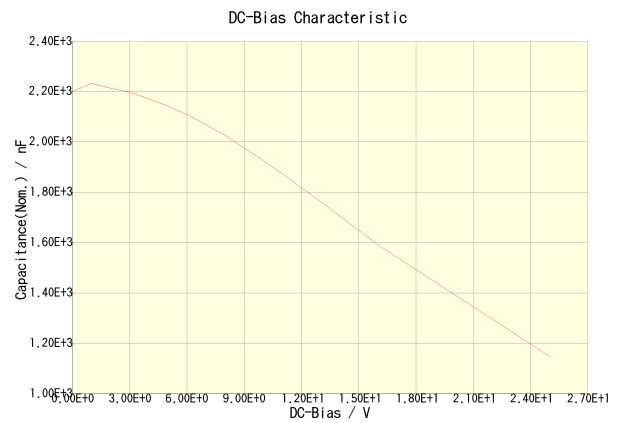
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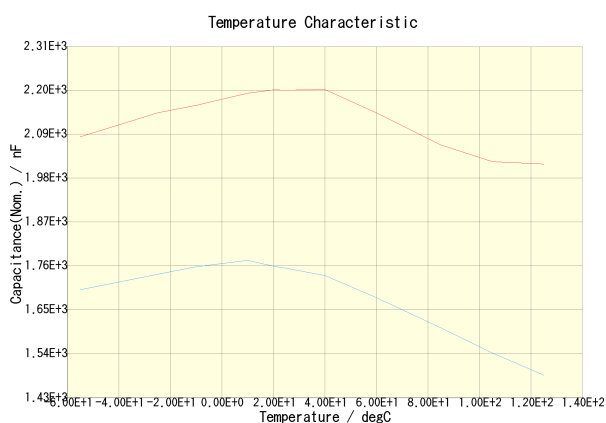
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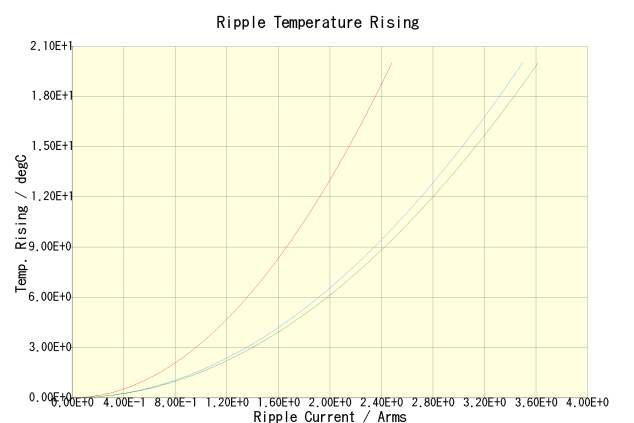
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C3216X7R1E225K160AA



C3216X7R1E225K160AA(DC Bias = 0V) C3216X7R1E225K160AA(DC Bias = 12.5V)



C3216X7R1E225K160AA(100kHz) C3216X7R1E225K160AA(500kHz)  
C3216X7R1E225K160AA(1MHz)