

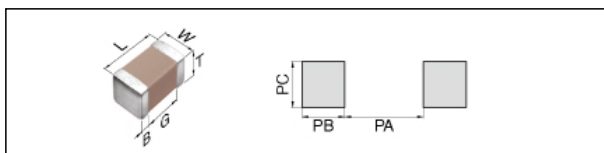


# C3216X7R1E105M085AA (TDK item description : C3216X7R1E105MT\*\*\*\*)

|              |   |
|--------------|---|
| Applications |  Commercial Grade  |
|              |  Please refer to Part No. CGA5L2X7R1E105M160AA for automotive use. |
| Feature      | <b>General</b> General (Up to 50V)  |
| Series       | C3216 [EIA CC1206]  |



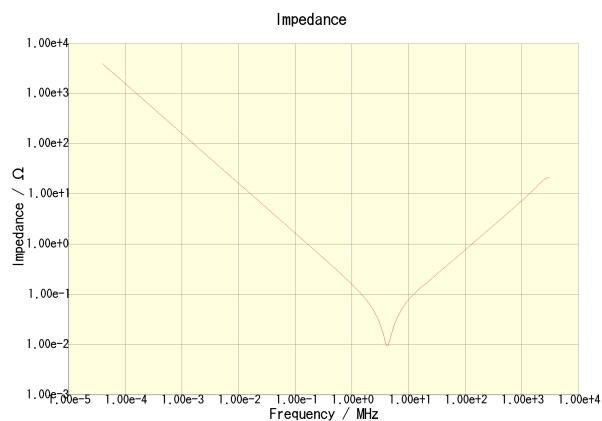
| Size                         |  |
|------------------------------|--|
| Length(L)                    | 3.20mm +/-0.20mm   |
| Width(W)                     | 1.60mm +/-0.20mm   |
| Thickness(T)                 | 0.85mm +/-0.15mm   |
| Terminal Width(B)            | 0.20mm Min.  |
| Terminal Spacing(G)          | 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                | 1uF +/-20%  |
| Rated Voltage              | 25Vdc       |
| Temperature Characteristic | X7R(+/-15%) |
| Dissipation Factor         | 3% Max.     |
| Insulation Resistance      | 500MΩ Min.  |

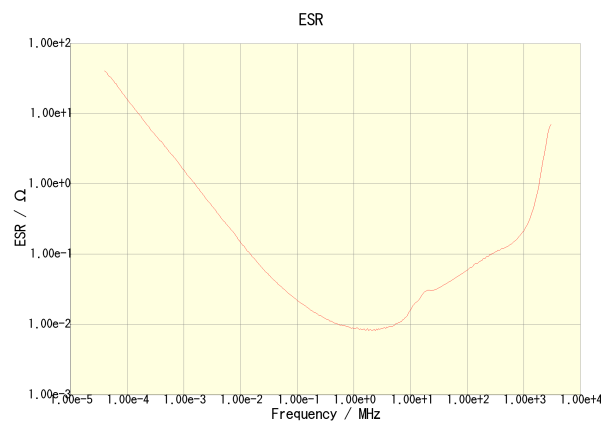
| Other            |                                      |
|------------------|--------------------------------------|
| Soldering Method | Reflow, Flow                         |
| AEC Q200         | No                                   |
| Packing          | Blister (Plastic)Taping [180mm Reel] |
|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

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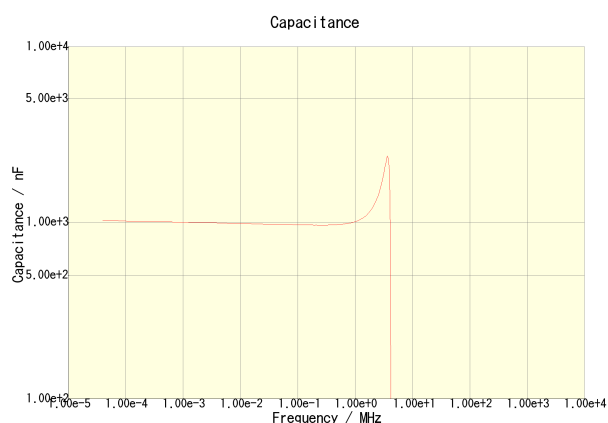
## Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



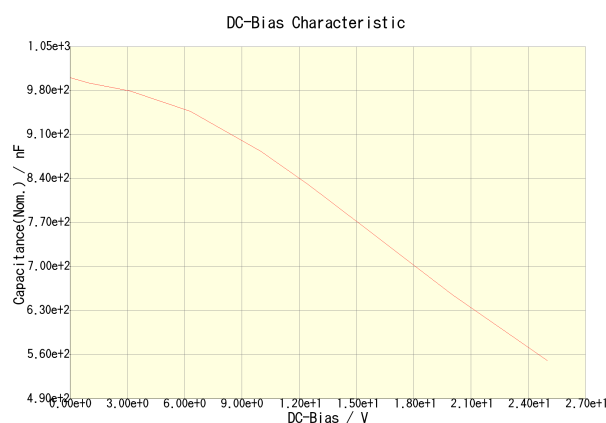
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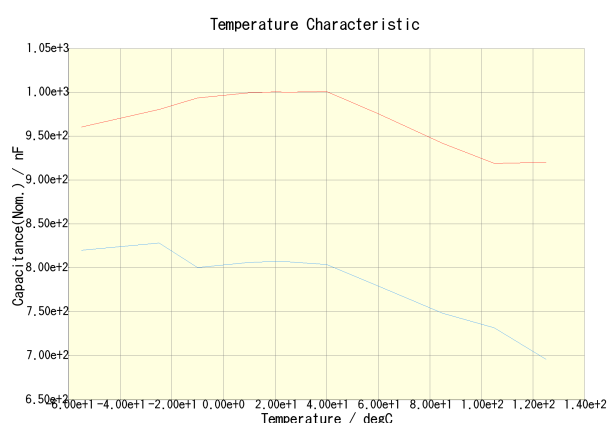
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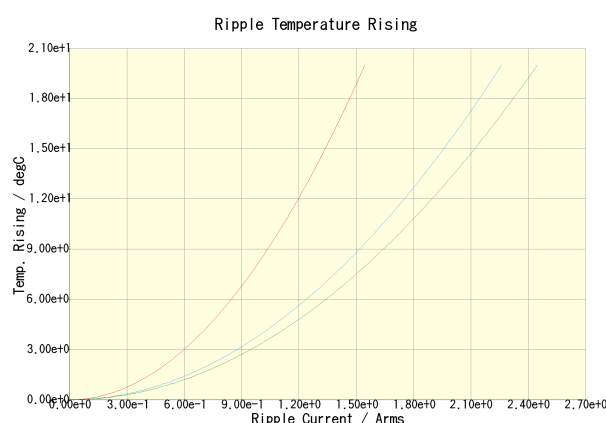
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C3216X7R1E105M085AA



C3216X7R1E105M085AA(DC Bias = 0V) C3216X7R1E105M085AA(DC Bias = 12.5V)



C3216X7R1E105M085AA(100kHz) C3216X7R1E105M085AA(500kHz)  
C3216X7R1E105M085AA(1MHz)