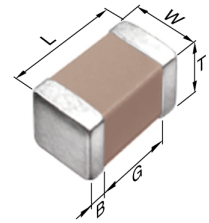


CGA5L1X5R1C106K160AC



**TDK item description** CGA5L1X5R1C106KT\*\*\*\*

|                     |  |
|---------------------|--|
| <b>Applications</b> | Automotive Grade   |
| <b>Feature</b>      | <b>General</b> General (Up to 50V)<br><b>AEC-Q200</b> AEC-Q200 |
| <b>Series</b>       | CGA5(3216) [EIA 1206]  |
| <b>Status</b>       | Production (Not Recommended for New Design)                    |



Dimensions in mm

| Size                          |  |
|-------------------------------|--|
| Length(L)                     | 3.20mm +0.30,-0.10mm   |
| Width(W)                      | 1.60mm +0.30,-0.10mm   |
| Thickness(T)                  | 1.60mm +0.30,-0.10mm   |
| Terminal Width(B)             | 0.20mm Min.  |
| Terminal Spacing(G)           | 1.00mm Min.  |
| Recommended Land Pattern (PA) | 2.10mm to 2.50mm(Flow Soldering)<br>2.00mm to 2.40mm(Reflow Soldering) |
| Recommended Land Pattern (PB) | 1.10mm to 1.30mm(Flow Soldering)<br>1.00mm to 1.20mm(Reflow Soldering) |
| Recommended Land Pattern (PC) | 1.00mm to 1.30mm(Flow Soldering)<br>1.10mm to 1.60mm(Reflow Soldering) |

| Electrical Characteristics   |                      |
|------------------------------|----------------------|
| Capacitance                  | 10 $\mu$ F $\pm$ 10% |
| Rated Voltage                | 16VDC                |
| Temperature Characteristic   | X5R( $\pm$ 15%)      |
| Dissipation Factor (Max.)    | 5%                   |
| Insulation Resistance (Min.) | 10M $\Omega$         |

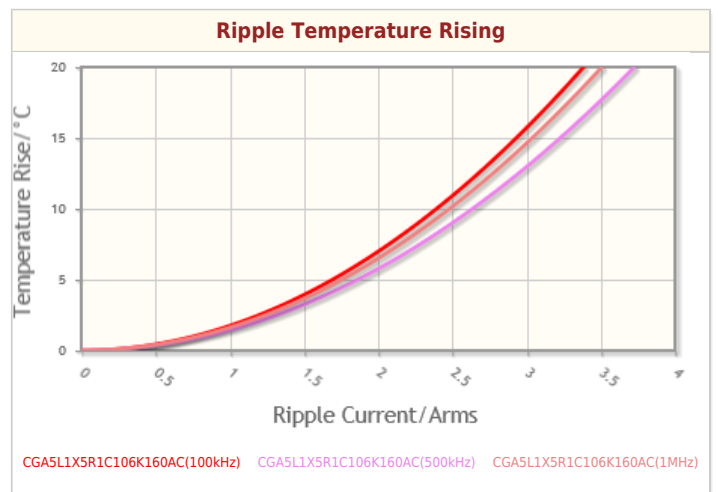
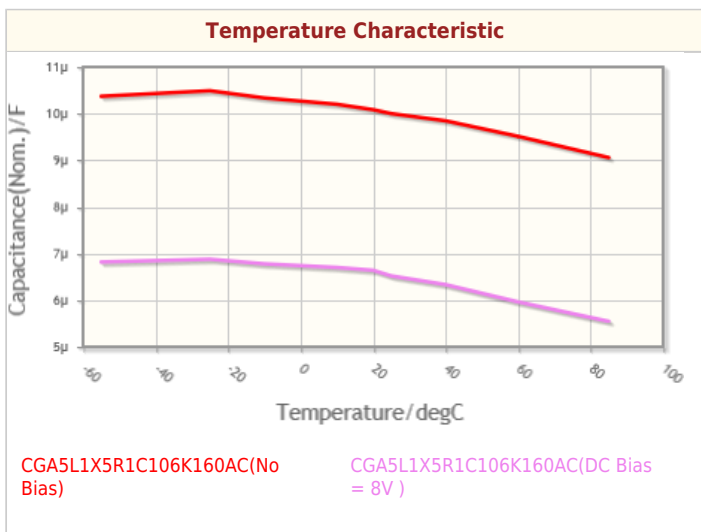
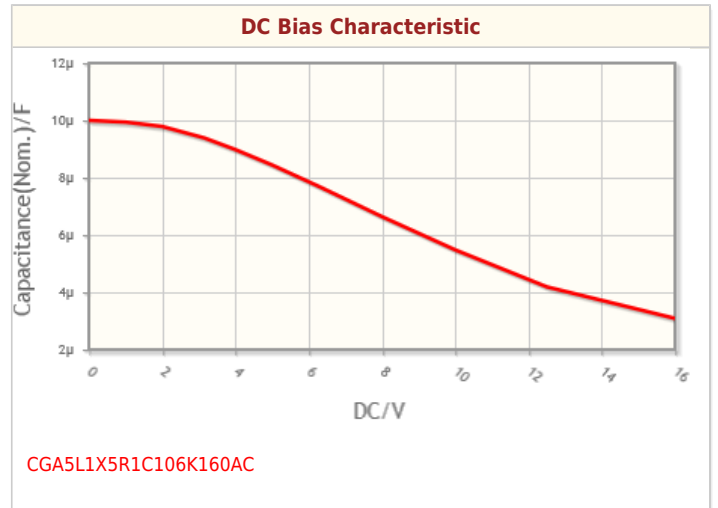
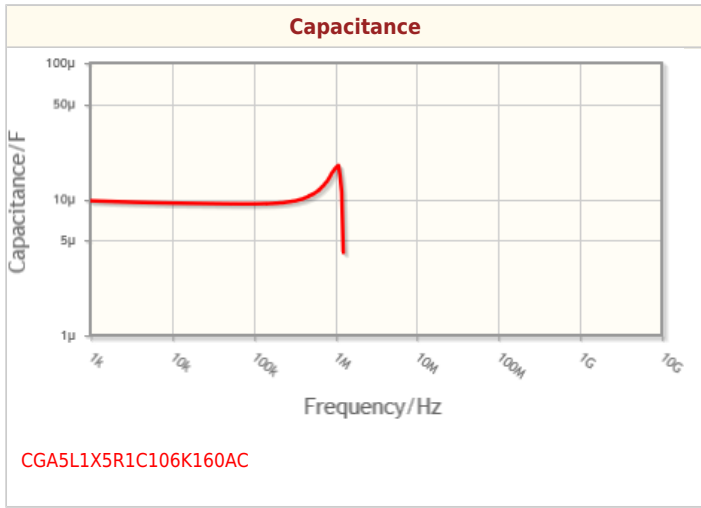
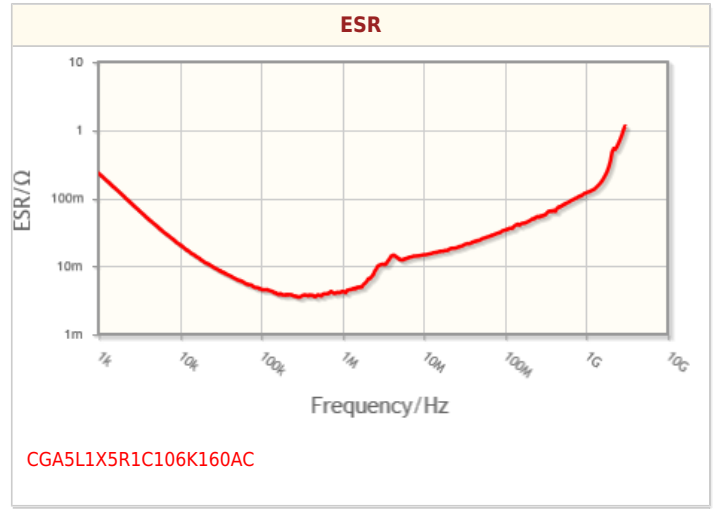
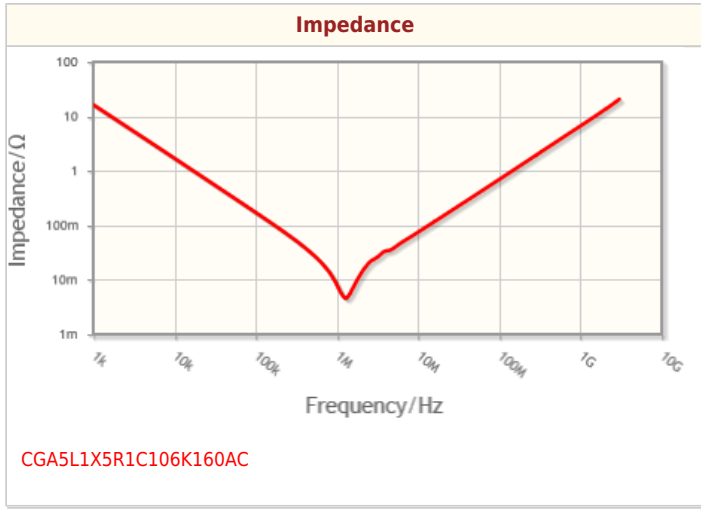
| Other            |                                      |
|------------------|--------------------------------------|
| Soldering Method | Wave (Flow)<br>Reflow                |
| AEC-Q200         | Yes                                  |
| Packing          | Blister (Plastic)Taping [180mm Reel] |
| Package Quantity | 2000pcs                              |

! Images are for reference only and show exemplary products.  
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! All specifications are subject to change without notice.

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

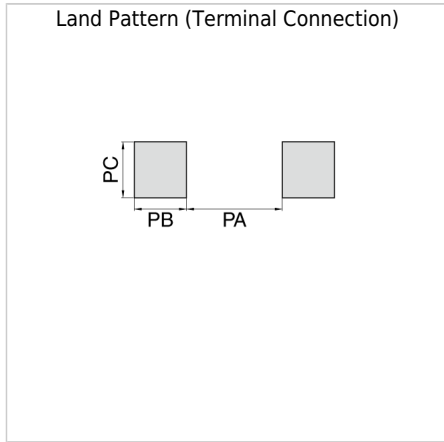


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CGA5L1X5R1C106K160AC



## Associated Images



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