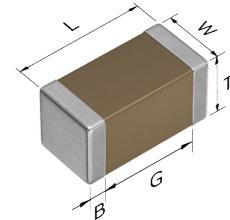


C1608X7R2A103M080AA

**TDK item description** C1608X7R2A103MT\*\*\*\*

|                     |   |
|---------------------|---|
| <b>Applications</b> | Commercial Grade<br>Please refer to Part No. <a href="#">CGA3E2X7R2A103M080AA</a> for Automotive use. |
| <b>Feature</b>      | Mid Voltage (100 to 630V)   |
| <b>Series</b>       | C1608 [EIA 0603]  |
| <b>Status</b>       | Production  |



| <b>Size</b>                   |  |
|-------------------------------|--|
| Length(L)                     | 1.60mm $\pm 0.10$ mm   |
| Width(W)                      | 0.80mm $\pm 0.10$ mm   |
| Thickness(T)                  | 0.80mm $\pm 0.10$ mm   |
| Terminal Width(B)             | 0.20mm Min.  |
| Terminal Spacing(G)           | 0.30mm Min.  |
| Recommended Land Pattern (PA) | 0.70mm to 1.00mm(Flow Soldering)<br>0.60mm to 0.80mm(Reflow Soldering) |
| Recommended Land Pattern (PB) | 0.80mm to 1.00mm(Flow Soldering)<br>0.60mm to 0.80mm(Reflow Soldering) |
| Recommended Land Pattern (PC) | 0.60mm to 0.80mm(Flow Soldering)<br>0.60mm to 0.80mm(Reflow Soldering) |

| <b>Electrical Characteristics</b> |                   |
|-----------------------------------|-------------------|
| Capacitance                       | 10nF $\pm 20\%$   |
| Rated Voltage                     | 100VDC            |
| Temperature Characteristic        | X7R( $\pm 15\%$ ) |
| Dissipation Factor (Max.)         | 3%                |
| Insulation Resistance (Min.)      | 10000M $\Omega$   |

| <b>Other</b>     |                                    |
|------------------|------------------------------------|
| Soldering Method | Wave (Flow)<br>Reflow              |
| AEC-Q200         | No                                 |
| Packing          | Punched (Paper)Taping [180mm Reel] |
| Package Quantity | 4000pcs                            |

! Images are for reference only and show exemplary products.

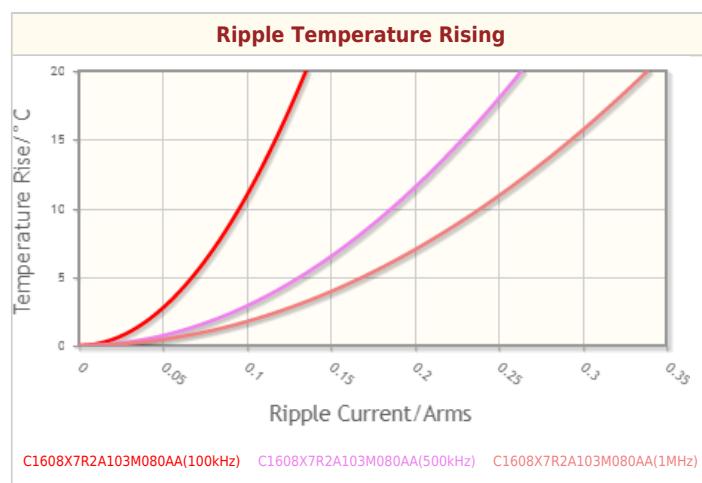
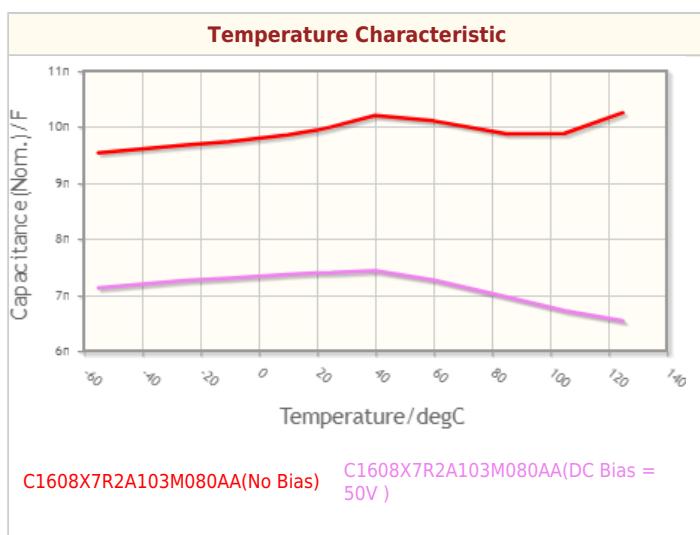
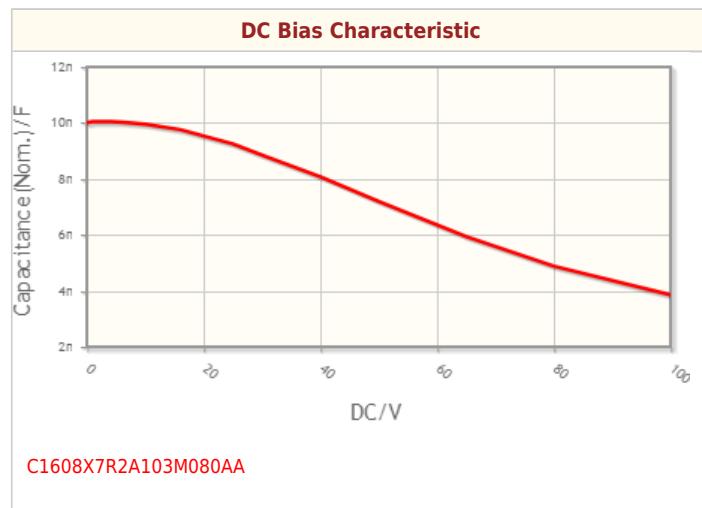
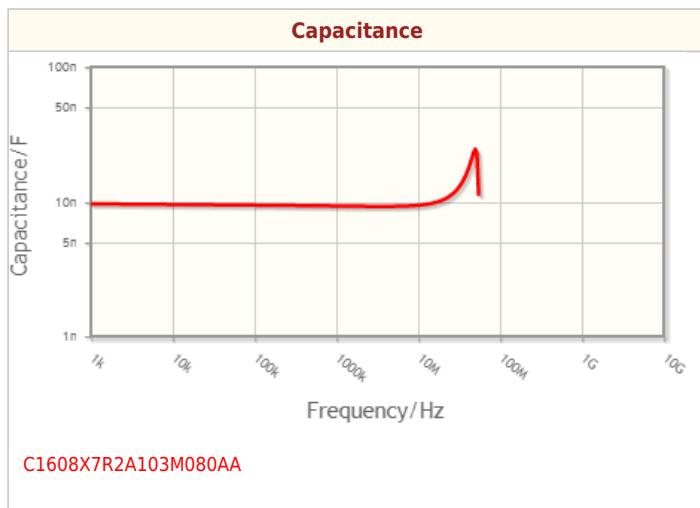
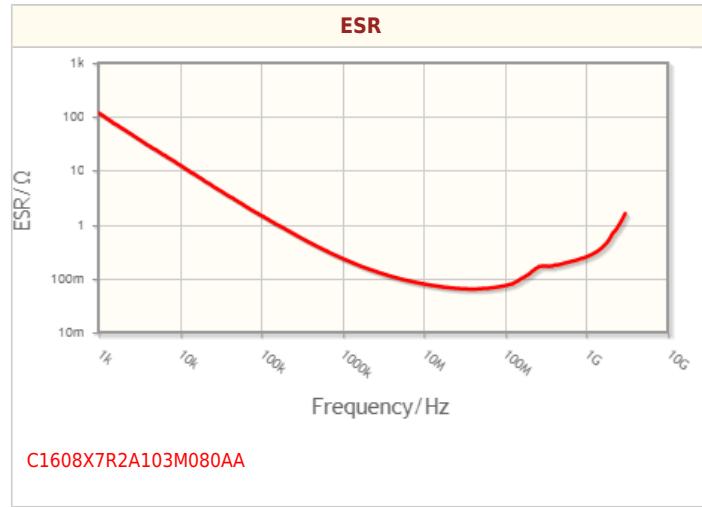
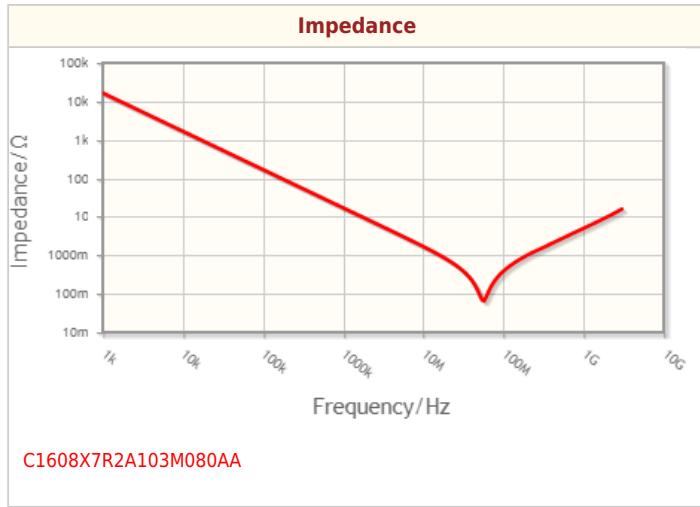
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! All specifications are subject to change without notice.

C1608X7R2A103M080AA



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



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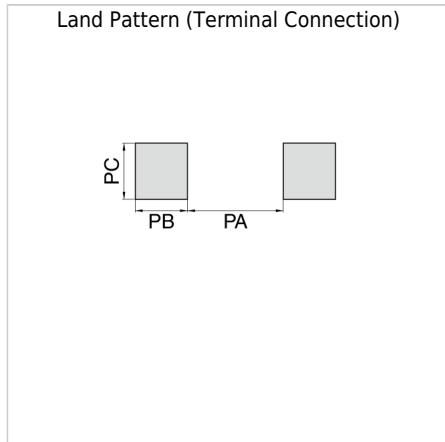
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## Associated Images



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