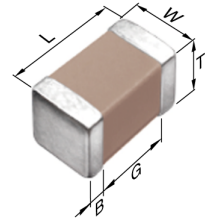


C0603X5R1E223M030BB



**TDK item description** C0603X5R1E223MT\*\*\*\*

|                     |   |
|---------------------|---|
| <b>Applications</b> | Commercial Grade  |
| <b>Feature</b>      | <span style="border: 1px solid red; padding: 2px;">General</span> General (Up to 50V) |
| <b>Series</b>       | C0603 [EIA 0201]  |
| <b>Status</b>       | Production (Not Recommended for New Design)   |



Dimensions in mm

| Size                          |                  |
|-------------------------------|------------------|
| Length(L)                     | 0.60mm ±0.03mm   |
| Width(W)                      | 0.30mm ±0.03mm   |
| Thickness(T)                  | 0.30mm ±0.03mm   |
| Terminal Width(B)             | 0.10mm Min.      |
| Terminal Spacing(G)           | 0.20mm Min.      |
| Recommended Land Pattern (PA) | 0.25mm to 0.35mm |
| Recommended Land Pattern (PB) | 0.20mm to 0.30mm |
| Recommended Land Pattern (PC) | 0.25mm to 0.35mm |

| Electrical Characteristics   |           |
|------------------------------|-----------|
| Capacitance                  | 22nF ±20% |
| Rated Voltage                | 25VDC     |
| Temperature Characteristic   | X5R(±15%) |
| Dissipation Factor (Max.)    | 10%       |
| Insulation Resistance (Min.) | 10000MΩ   |

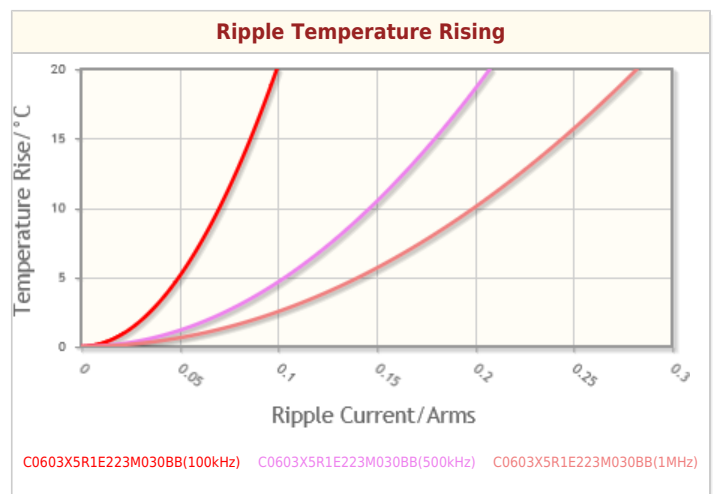
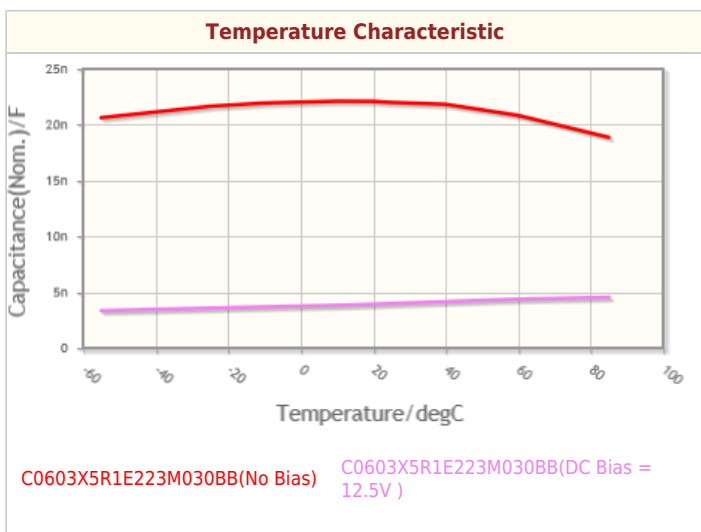
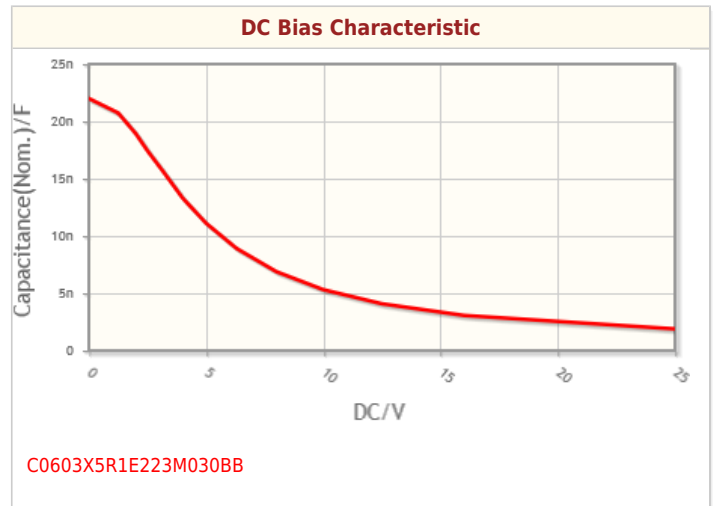
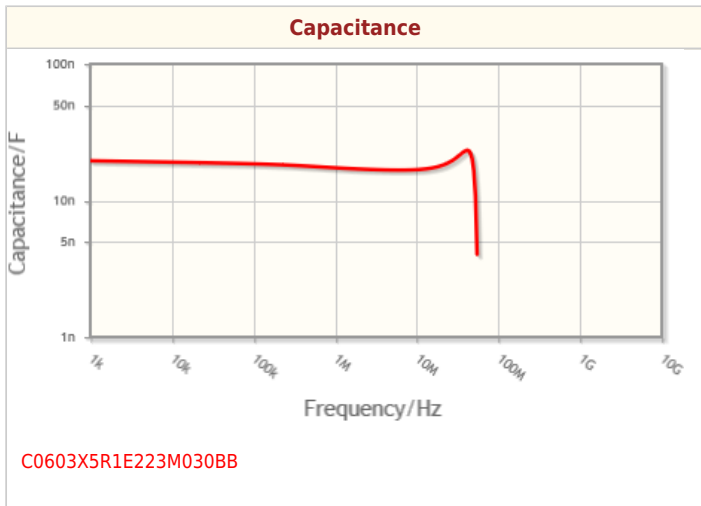
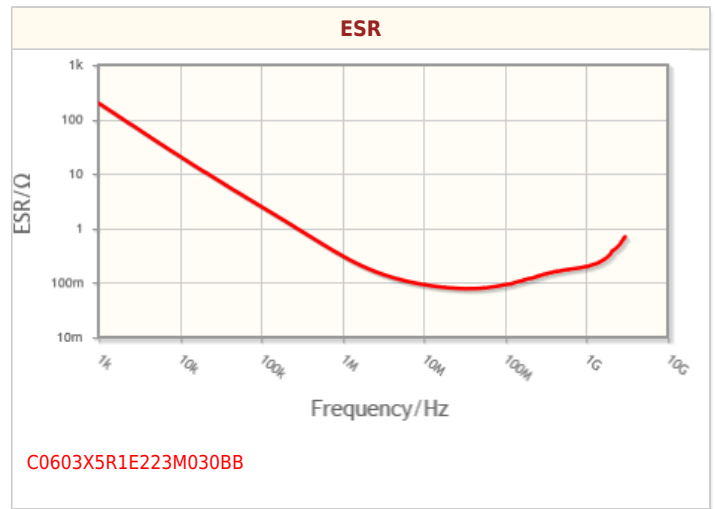
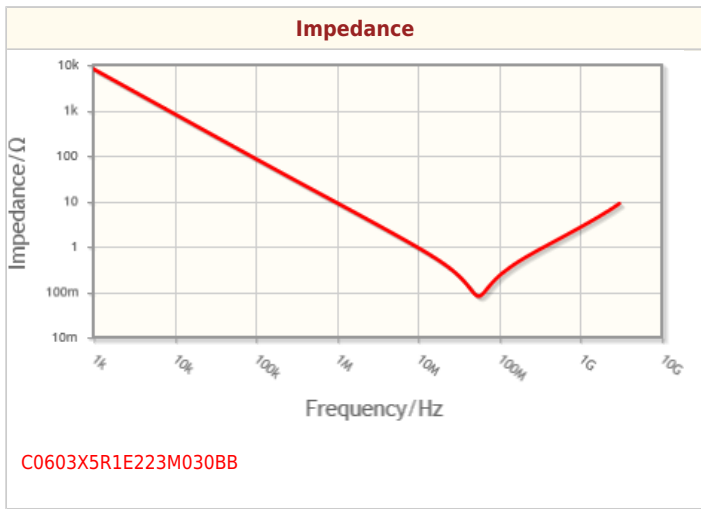
| Other            |                                    |
|------------------|------------------------------------|
| Soldering Method | Reflow                             |
| AEC-Q200         | No                                 |
| Packing          | Punched (Paper)Taping [180mm Reel] |
| Package Quantity | 15000pcs                           |

! Images are for reference only and show exemplary products.  
! This PDF document was created based on the data listed on the TDK Corporation website.  
! All specifications are subject to change without notice.

C0603X5R1E223M030BB



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

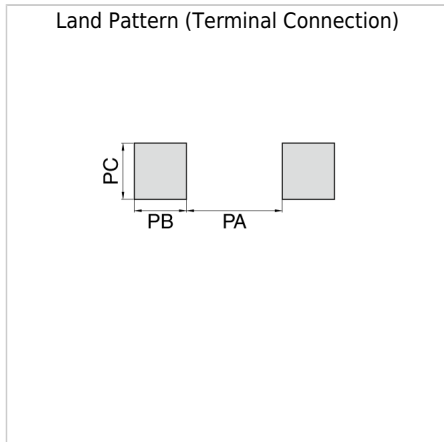


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## Associated Images



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