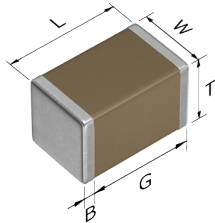


|                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          | Production (NRND)                                                                                                                                                                                                                                                                                                                                                                                                         |
| Product Status           | Recommended Alternate Part No. : <a href="#">C2012X7S2A105K125AB</a> (Interchangeability is not guaranteed.)                                                                                                                                                                                                                                                                                                              |
| TDK Item Description     | C2012X7S2A105MT****                                                                                                                                                                                                                                                                                                                                                                                                       |
| Applications             | Commercial Grade<br>Please refer to Part No. <a href="#">CGA4J3X7S2A105M125AB</a> for Automotive use.                                                                                                                                                                                                                                                                                                                     |
| Feature                  | MidMid Voltage (100 to 630V)                                                                                                                                                                                                                                                                                                                                                                                              |
| Series                   | C2012 [EIA 0805]                                                                                                                                                                                                                                                                                                                                                                                                          |
| Brand                    | TDK                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Environmental Compliance | <div><div>RoHS</div><div>REACH</div><div>Halogen Free</div><div>Lead Free</div></div> |



| Size                          |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| Length(L)                     | 2.00mm ±0.20mm                                                         |
| Width(W)                      | 1.25mm ±0.20mm                                                         |
| Thickness(T)                  | 1.25mm ±0.20mm                                                         |
| Terminal Width(B)             | 0.20mm Min.                                                            |
| Terminal Spacing(G)           | 0.50mm Min.                                                            |
| Recommended Land Pattern (PA) | 1.00mm to 1.30mm(Flow Soldering)<br>0.90mm to 1.20mm(Reflow Soldering) |
| Recommended Land Pattern (PB) | 1.00mm to 1.20mm(Flow Soldering)<br>0.70mm to 0.90mm(Reflow Soldering) |
| Recommended Land Pattern (PC) | 0.80mm to 1.10mm(Flow Soldering)<br>0.90mm to 1.20mm(Reflow Soldering) |

| Electrical Characteristics   |           |
|------------------------------|-----------|
| Capacitance                  | 1μF ±20%  |
| Rated Voltage                | 100VDC    |
| Temperature Characteristic   | X7S(±22%) |
| Dissipation Factor (Max.)    | 5%        |
| Insulation Resistance (Min.) | 500MΩ     |

| Other                 |                                       |
|-----------------------|---------------------------------------|
| Operating Temp. Range | -55 to 125°C                          |
| Soldering Method      | Wave (Flow)<br>Reflow                 |
| AEC-Q200              | NO                                    |
| Packing               | Embossed (Plastic)Taping [180mm Reel] |
| Package Quantity      | 2000pcs                               |

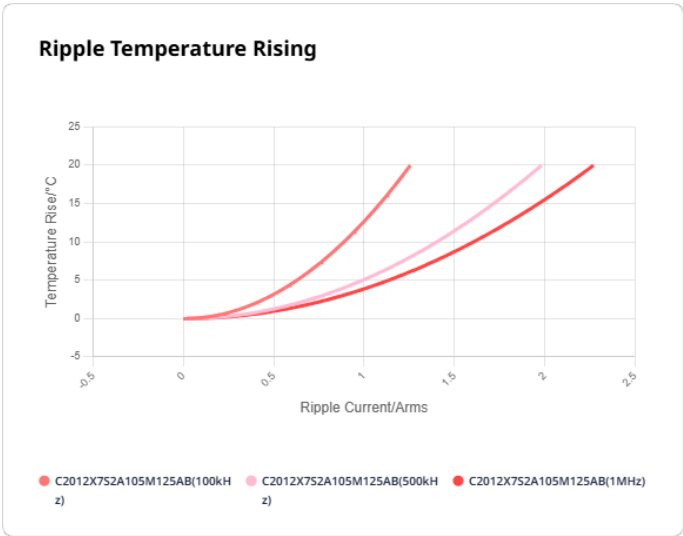
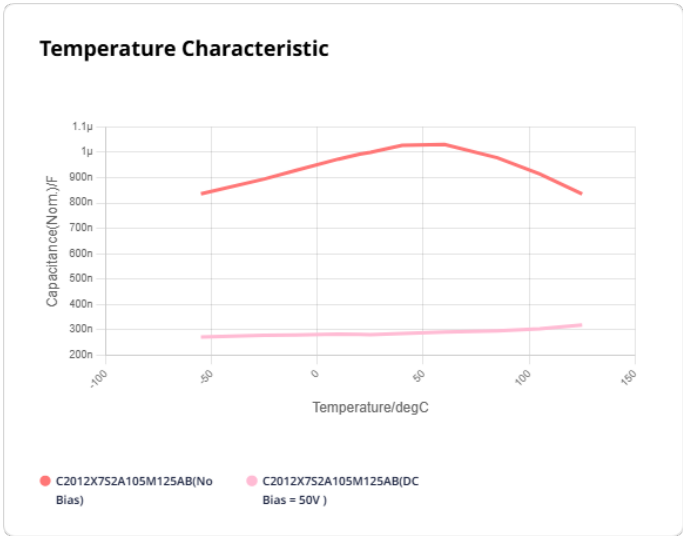
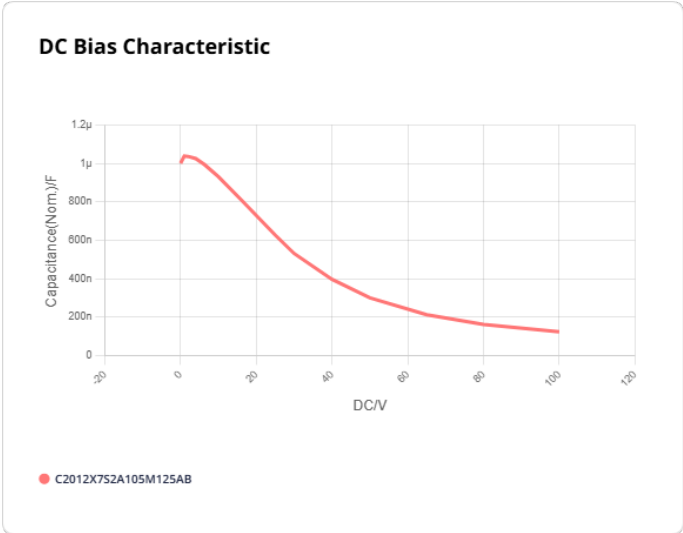
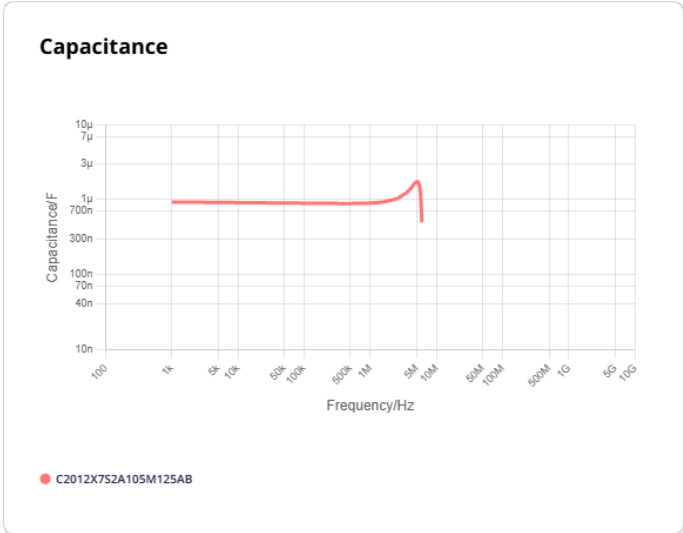
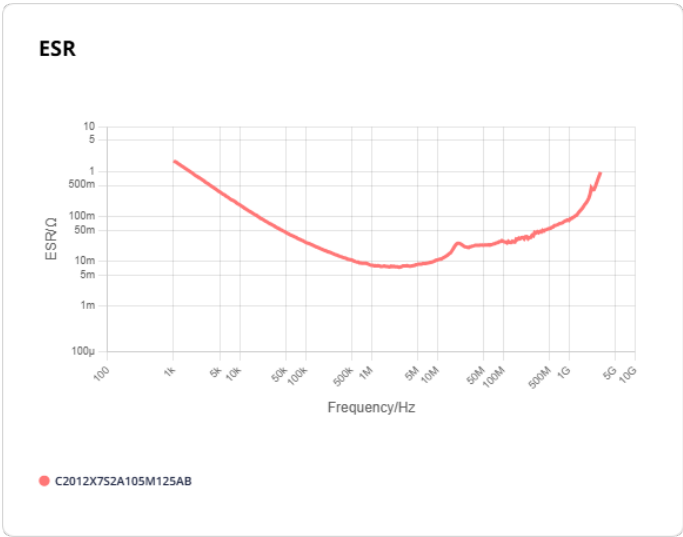
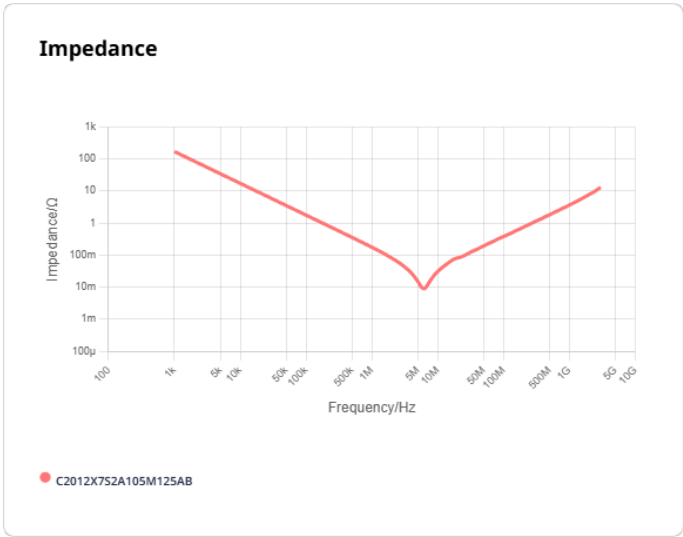
! Images are for reference only and show exemplary products.

! This PDF document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.

|                       |                                                                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| FIT (Failure In Time) |  This will be displayed when you <a href="#">login</a> to myTDK |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|

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



## Associated Images

