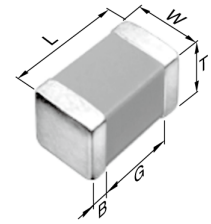


C1005NP01H080D050BA



**TDK item description** C1005NP01H080DT\*\*\*\*

|                     |   |
|---------------------|---|
| <b>Applications</b> | Commercial Grade<br>Please refer to Part No. <a href="#">CGA2B2NP01H080D050BA</a> for Automotive use. |
| <b>Feature</b>      | 150°C High Temperature Application  |
| <b>Series</b>       | C1005 [EIA 0402]  |
| <b>Status</b>       | Production  |



Dimensions in mm

| Size                          |                  |
|-------------------------------|------------------|
| Length(L)                     | 1.00mm ±0.05mm   |
| Width(W)                      | 0.50mm ±0.05mm   |
| Thickness(T)                  | 0.50mm ±0.05mm   |
| Terminal Width(B)             | 0.10mm Min.      |
| Terminal Spacing(G)           | 0.30mm Min.      |
| Recommended Land Pattern (PA) | 0.30mm to 0.50mm |
| Recommended Land Pattern (PB) | 0.35mm to 0.45mm |
| Recommended Land Pattern (PC) | 0.40mm to 0.60mm |

| Electrical Characteristics   |                 |
|------------------------------|-----------------|
| Capacitance                  | 8pF ±0.5pF      |
| Rated Voltage                | 50VDC           |
| Temperature Characteristic   | NP0(0±30ppm/°C) |
| Q (Min.)                     | 560             |
| Insulation Resistance (Min.) | 10000MΩ         |

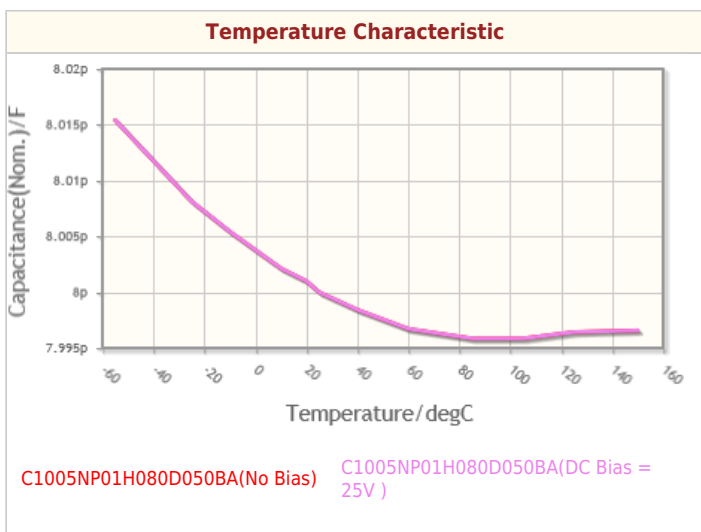
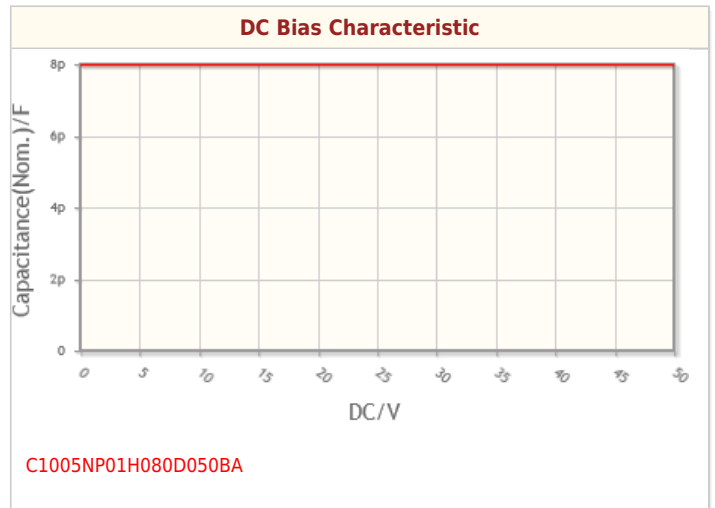
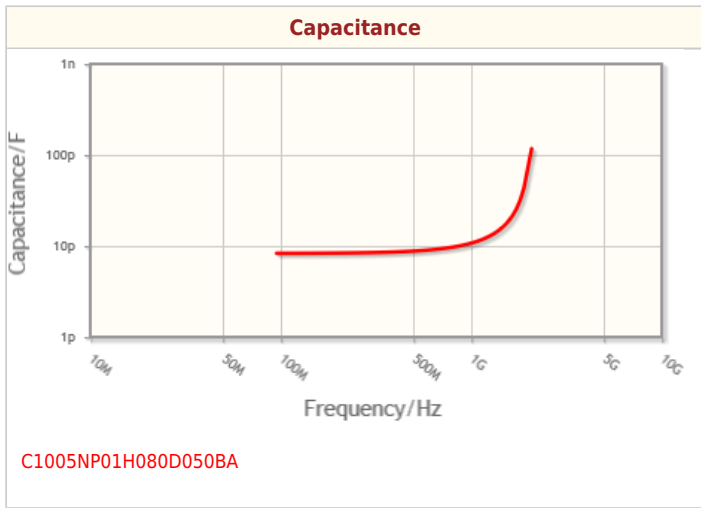
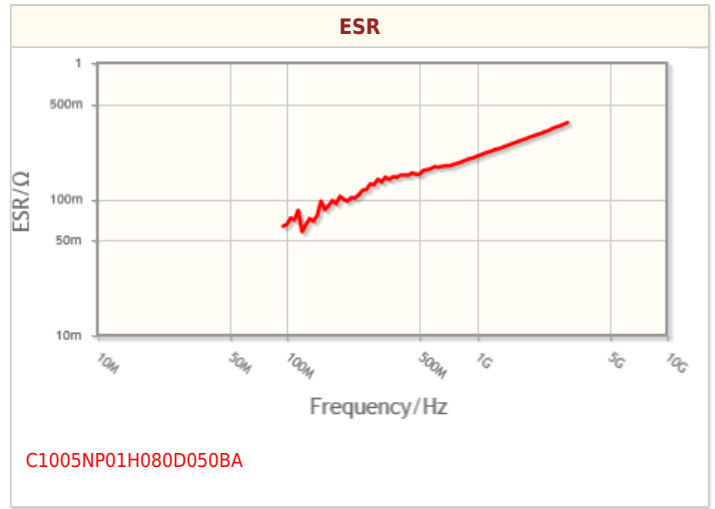
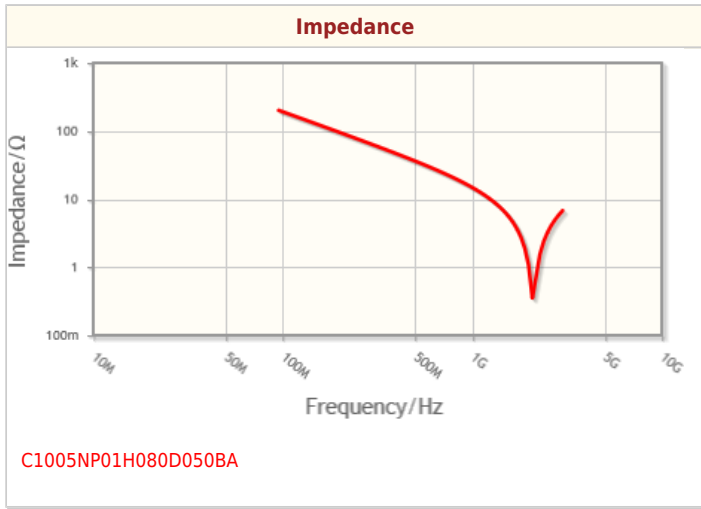
| Other            |                                    |
|------------------|------------------------------------|
| Soldering Method | Reflow                             |
| AEC-Q200         | No                                 |
| Packing          | Punched (Paper)Taping [180mm Reel] |
| Package Quantity | 10000pcs                           |

! 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.

C1005NP01H080D050BA



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

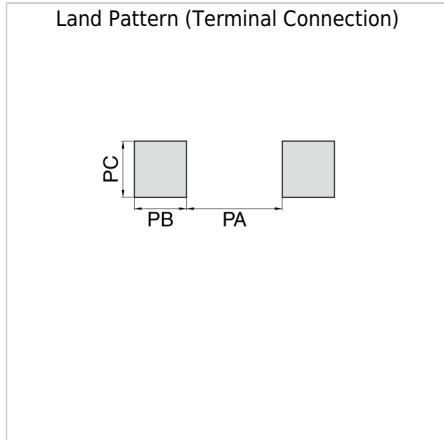


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## Associated Images



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