

C1005X8R2A152K050BE



**TDK item description** C1005X8R2A152KT\*\*\*S

## Applications



Commercial Grade

Please refer to Part No. [CGA2B2X8R2A152K050BE](#) for Automotive use.

## Feature



Mid Voltage (100 to 630V)



150°C High Temperature Application



Soft Termination

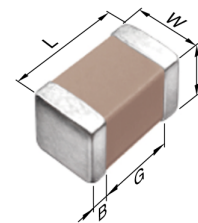
## Series

C1005 [EIA 0402]

## Status



Production (Not Recommended for New Design)



Dimensions in mm

### Size

Length(L)	1.00mm +0.15,-0.05mm
Width(W)	0.50mm +0.10,-0.05mm
Thickness(T)	0.50mm +0.10,-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	1.5nF ±10%
Rated Voltage	100VDC
Temperature Characteristic	X8R(±15%)
Dissipation Factor (Max.)	3%
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.

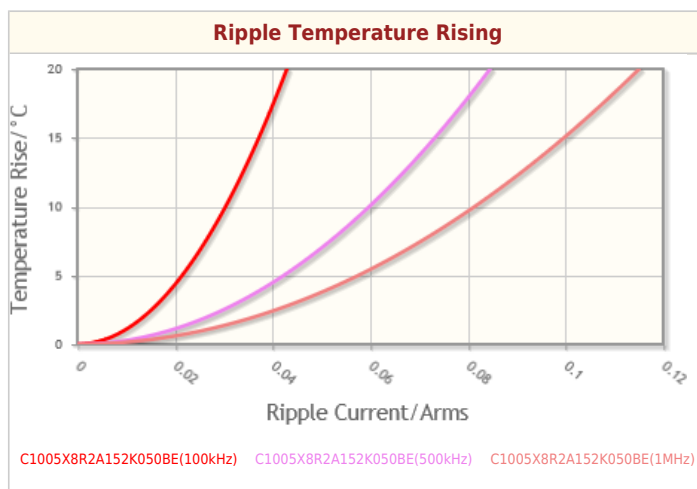
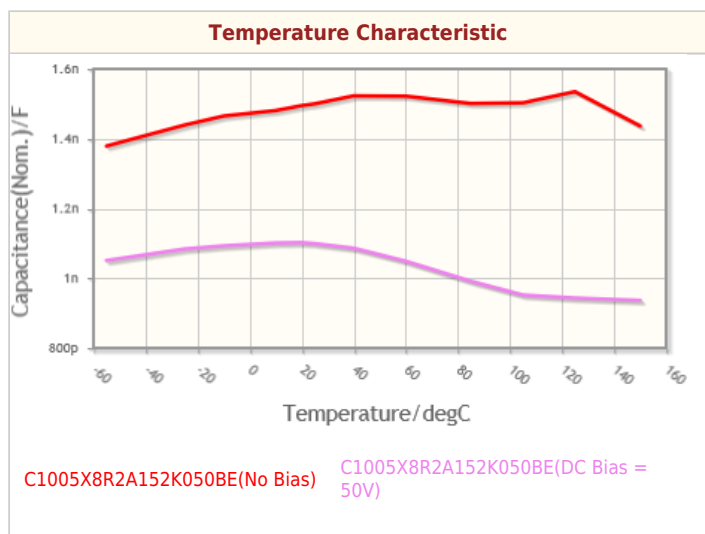
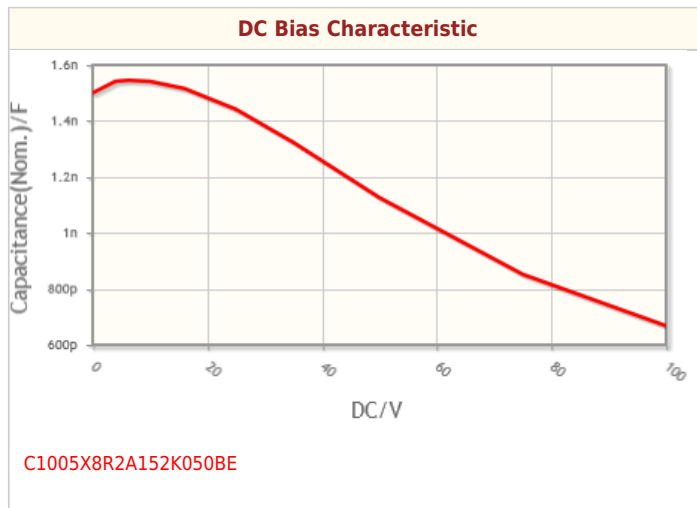
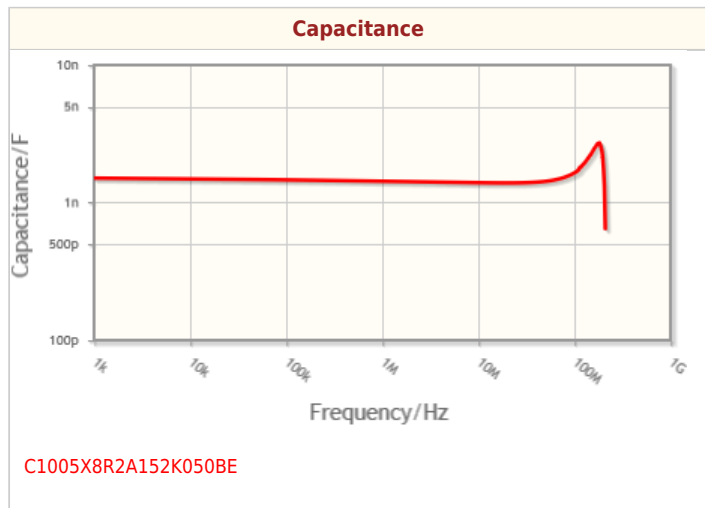
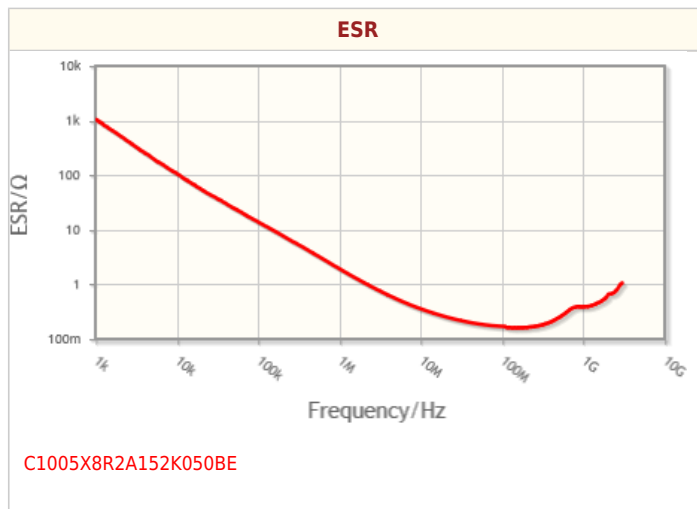
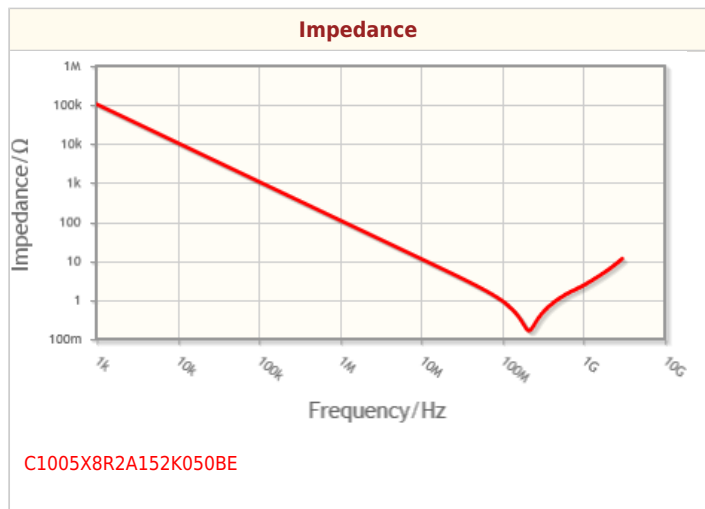
! This PDF document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.

C1005X8R2A152K050BE

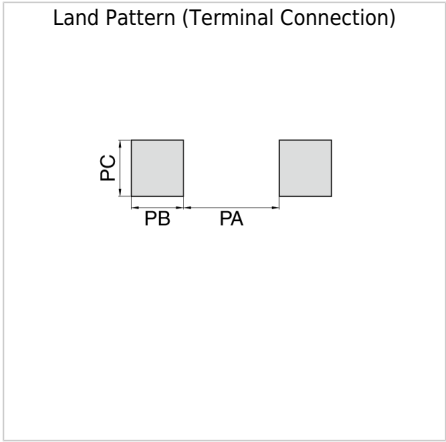


# Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)





### Associated Images



! 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.