Multilayer Ceramic Chip Capacitors

1 of 3 Creation Date : April 18, 2017 (GMT)

C1005X7R1V683K050BB









TDK item description C1005X7R1V683KT****

Applications	Commercial Grade Please refer to Part No. CGA2B3X7R1V683K050BB for Automotive use.	
Feature	General General (Up to 50V)	
Series	C1005 [EIA 0402]	
Status	Production (Not Recommended for New Design)	



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	68nF ±10%	
Rated Voltage	35VDC	
Temperature Characteristic	X7R(±15%)	
Dissipation Factor (Max.)	5%	
Insulation Resistance (Min.)	7352ΜΩ	

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.

C1005X7R1V683K050BB

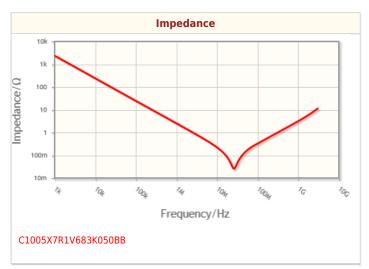


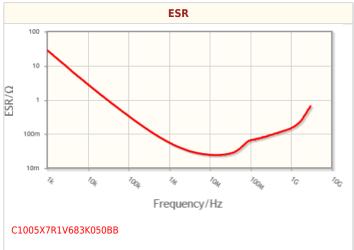


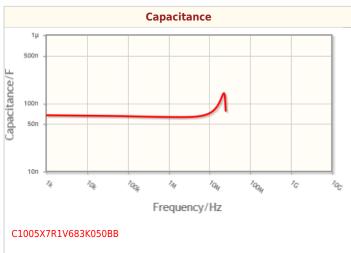


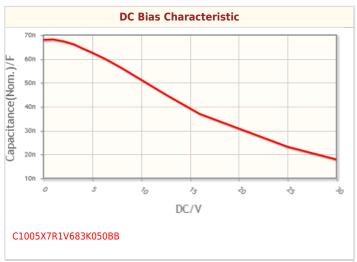


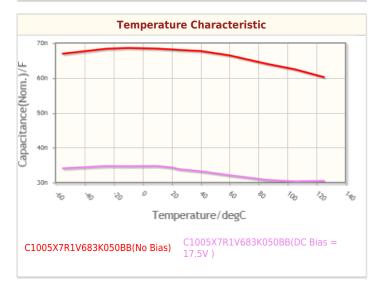
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

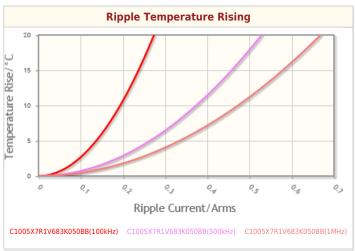










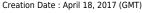


[!] Images are for reference only and show exemplary products.

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

[!] All specifications are subject to change without notice.

3 of 3 Creation Date : April 18, 2017 (GMT)





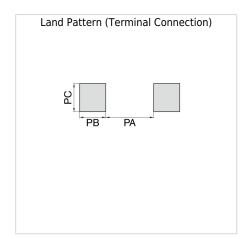






C1005X7R1V683K050BB

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.