CGA2B2C0G1H101J050BE



TDK item description CGA2B2C0G1H101JT***S

Applications	Automotive Grade	
Feature	Soft Termination AEC-Q200 AEC-Q200	
Series	CGA2(1005) [EIA 0402]	
Status	Production	Dimensions in

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	100pF ±5%	
Rated Voltage	50VDC	
Temperature Characteristic	C0G(0±30ppm/°C)	
Q (Min.)	1000	
Insulation Resistance (Min.)	10000ΜΩ	

Other	
Soldering Method	Reflow
AEC-Q200	Yes
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.

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100p

80p

60p

40p

20p

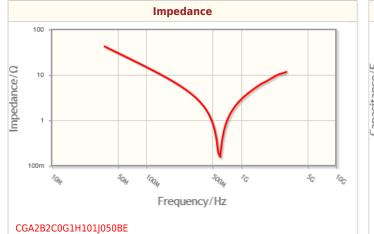
0

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CGA2B2C0G1H101J050BE

Capacitance(Nom.)/F





DC Bias Characteristic

ro

3

DC/V

zo

3

To:

Sc

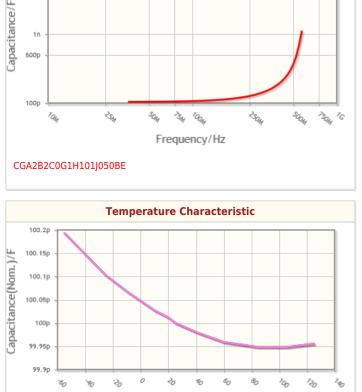
33

15

10

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

10n 5n



Capacitance

 Temperature/degC

 CGA2B2C0G1H101J050BE(No Bias)
 CGA2B2C0G1H101J050BE(DC Bias) = 25V)

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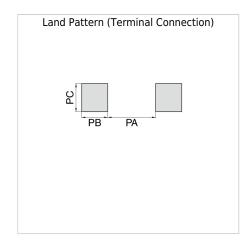
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Associated Images



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