### CGA3E2C0G1H120J080AA



### TDK item description CGA3E2C0G1H120JT\*\*\*\*

Applications	Automotive Grade	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Feature	General General (Up to 50V) AEC-Q200 AEC-Q200	
Series	CGA3(1608) [EIA 0603]	
Status	Production	Dmensione in mm

Size		
Length(L)	1.60mm ±0.10mm	
Width(W)	0.80mm ±0.10mm	
Thickness(T)	0.80mm ±0.10mm	
Terminal Width(B)	0.20mm Min.	
Terminal Spacing(G)	0.30mm Min.	
Recommended Land Pattern (PA)	0.70mm to 1.00mm(Flow Soldering)	
	0.60mm to 0.80mm(Reflow Soldering)	
Recommended Land Pattern (PB)	0.80mm to 1.00mm(Flow Soldering)	
	0.60mm to 0.80mm(Reflow Soldering)	
Recommended Land Pattern (PC)	0.60mm to 0.80mm(Flow Soldering)	
	0.60mm to 0.80mm(Reflow Soldering)	

Electrical Characteristics		
Capacitance	12pF ±5%	
Rated Voltage	50VDC	
Temperature Characteristic	C0G(0±30ppm/°C)	
Q (Min.)	640	
Insulation Resistance (Min.)	10000ΜΩ	

Other		
Coldering Mathed	Wave (Flow)	
Soldering Method	Reflow	
AEC-Q200	Yes	
Packing	Punched (Paper)Taping [180mm Reel]	
Package Quantity	4000pcs	

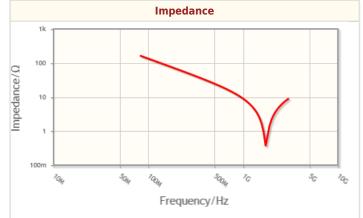
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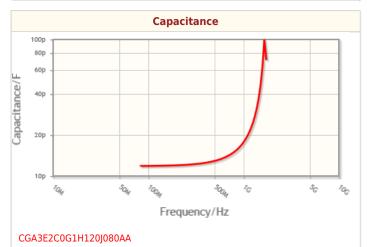
# CGA3E2C0G1H120J080AA

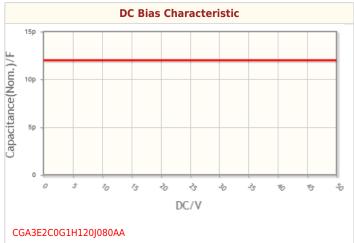




#### ESR 1 500n ESR/Ω 100m 50m 10m 500M ŝq. 100<sub>M</sub> ₹G ŝ 'n. IQ. Frequency/Hz CGA3E2C0G1H120J080AA

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#### **Temperature Characteristic** 12.025p 12.02p Capacitance(Nom.)/F 12.015p 12.01p 12.005p 12p 11.995p 11.990 0 rdo ъ Ь в °Co :20 4 る ъ Temperature/degC CGA3E2C0G1H120J080AA(DC Bias CGA3E2C0G1H120J080AA(No Bias) = 25V)

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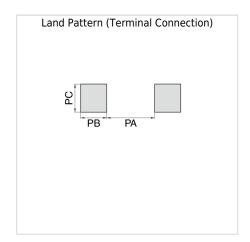
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# Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

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# Associated Images



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