

Multilayer Ceramic Chip Capacitors

Product Top Page Search by Part No. Search by Characteristics Cross Reference Catalog Tech Note Technical Support Tool FAQ

CGA4J2X8R1H683K125AA

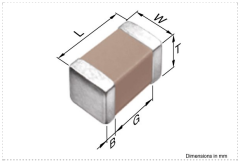
TDK item description ? CGA4J2X8R1H683KT****

Applications Automotive Grade

Feature
150°C High Temperature Application
AEC-Q200 AEC-Q200

Series CGA4(2012) [EIA 0805]

Status Production (Not Recommended for New Design)



Images are for reference only and show exemplary products.

Size	
Length(L)	2.00mm ±0.20mm
Width(W)	1.25mm ±0.20mm
Thickness(T)	1.25mm ±0.20mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	0.50mm Min.
Recommended Land Pattern (PA)	1.00mm to 1.30mm(Flow Soldering) 0.90mm to 1.20mm(Reflow Soldering)
Recommended Land Pattern (PB)	1.00mm to 1.20mm(Flow Soldering) 0.70mm to 0.90mm(Reflow Soldering)
Recommended Land Pattern (PC)	0.80mm to 1.10mm(Flow Soldering) 0.90mm to 1.20mm(Reflow Soldering)

Electrical Characteristics	
Capacitance	68nF ±10%
Rated Voltage	50VDC
Temperature Characteristic ?	X8R(±15%)
Dissipation Factor (Max.)	3%
Insulation Resistance (Min.)	7352MΩ

Other	
Soldering Method	Flow Reflow
AEC-Q200	Yes
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs

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- Documents**
- Catalog
 - Specification
 - RoHS Certificate
 - SVHC/REACH Certificate
 - Characterization Sheet
 - Promotion Video
 - Sample Kits

- Technical Support Tools**
- S-parameter
 - SPICE Netlist (Simple)
 - SPICE Netlist (Precision)
 - Equivalent Circuit Model
 - DC Bias/Superimposition Model (HSPICE)

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



