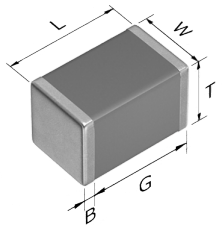
Multilayer Ceramic Chip Capacitors

CGA4J2C0G2A472J125AA

Product Status	Production
TDK Item Description	CGA4J2C0G2A472JT****
Applications	Automotive Grade
Feature	AEC-Q200AEC-Q200 MidMid Voltage (100 to 630V)
Series	CGA4(2012) [EIA 0805]
Brand	TDK
Environmental Compliance	RoHS, REACH, Halogen Free, Lead Free



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	4.7nF ±5%
Rated Voltage	100VDC
Temperature Characteristic	C0G(0±30ppm/°C)
Q (Min.)	1000
Insulation Resistance (Min.)	10000MΩ
Allowable Voltage	
Allowable Current	

Other	
Operating Temp. Range	-55 to 125°C
Soldering Method	Wave (Flow) Reflow
AEC-Q200	YES
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs

! 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.

Copyright(c) TDK Corporation. All rights reserved.
Downloaded from Arrow.com.

Multilayer Ceramic Chip Capacitors

CGA4J2C0G2A472J125AA

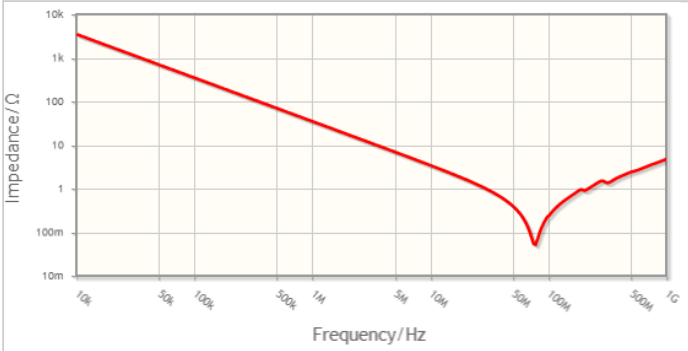
FIT (Failure In Time)	This will be displayed when you login to myTDK

! 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.

Copyright(c) TDK Corporation. All rights reserved.
Downloaded from Arrow.com.

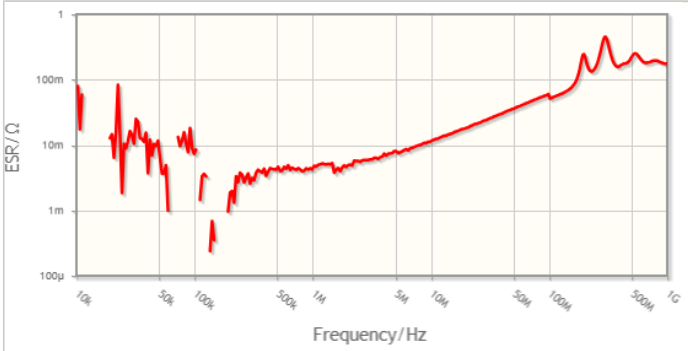
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



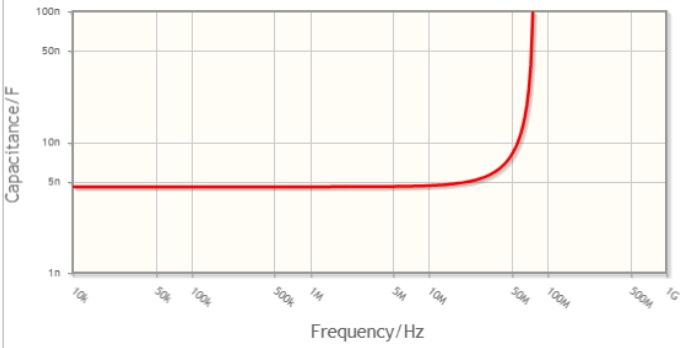
CGA4J2C0G2A472J125AA

ESR



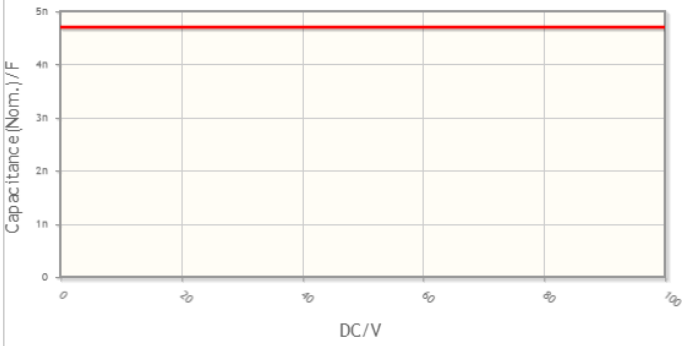
CGA4J2C0G2A472J125AA

Capacitance



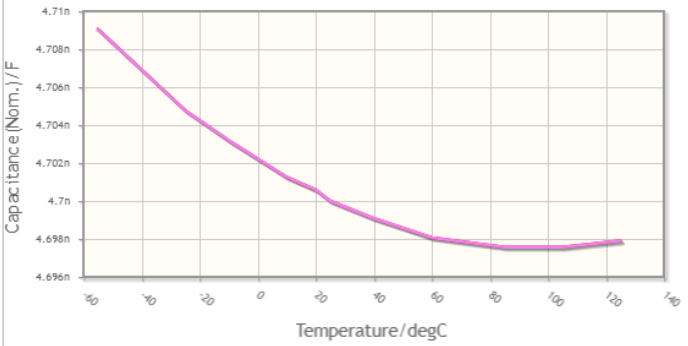
CGA4J2C0G2A472J125AA

DC Bias Characteristic



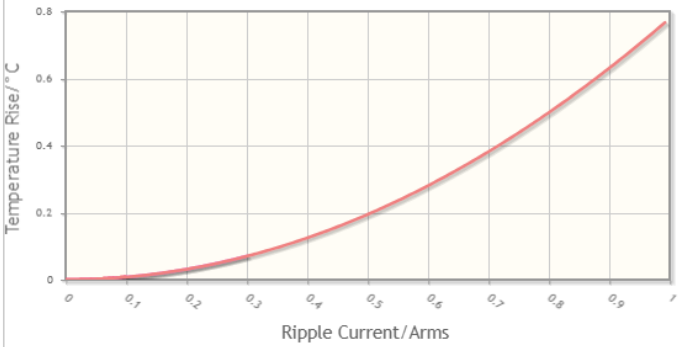
CGA4J2C0G2A472J125AA

Temperature Characteristic



CGA4J2C0G2A472J125AA(No Bias) CGA4J2C0G2A472J125AA(DC Bias = 50V)

Ripple Temperature Rising



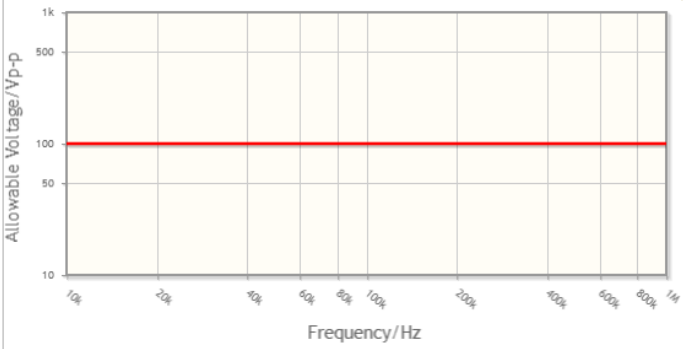
CGA4J2C0G2A472J125AA(100kHz) CGA4J2C0G2A472J125AA(300kHz) CGA4J2C0G2A472J125AA(1000kHz)

! 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.

Copyright(c) TDK Corporation. All rights reserved.
Downloaded from Arrow.com.

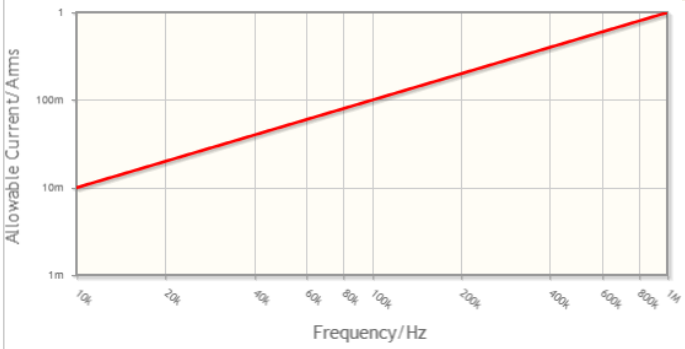
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Max. Allowable Voltage



CGA4J2C0G2A472J125AA

Max. Allowable Current



CGA4J2C0G2A472J125AA

! 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.

Copyright(c) TDK Corporation. All rights reserved.
Downloaded from Arrow.com.

Multilayer Ceramic Chip Capacitors

CGA4J2C0G2A472J125AA

Associated Images

Land Pattern (Terminal Connection)



! 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.

Copyright(c) TDK Corporation. All rights reserved.
Downloaded from Arrow.com.