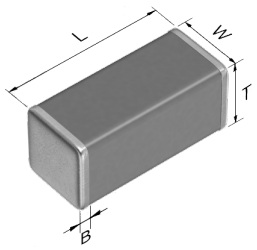
Multilayer Ceramic Chip Capacitors

C4520C0G3F470K160KA

Product Status	Production
TDK Item Description	C4520C0G3F470KT****
Applications	Commercial Grade Please refer to Part No. CGA7L1C0G3F470K160KA for Automotive use.
Feature	HighHigh Voltage (1000V and over)
Series	C4520 [EIA 1808]
Brand	TDK
Environmental Compliance	RoHS, REACH, Halogen Free, Lead Free



Size	
Length(L)	4.50mm ±0.40mm
Width(W)	2.00mm ±0.20mm
Thickness(T)	1.60mm ±0.20mm
Terminal Width(B)	0.20mm Min.
Recommended Land Pattern (PA)	3.10mm to 3.70mm
Recommended Land Pattern (PB)	1.20mm to 1.40mm
Recommended Land Pattern (PC)	1.50mm to 2.00mm
Recommended Slit Pattern (SD)	1.00mm to 1.30mm

Electrical Characteristics	
Capacitance	47pF ±10%
Rated Voltage	3kVDC
Temperature Characteristic	C0G(0±30ppm/°C)
Q (Min.)	1000
Insulation Resistance (Min.)	10000MΩ

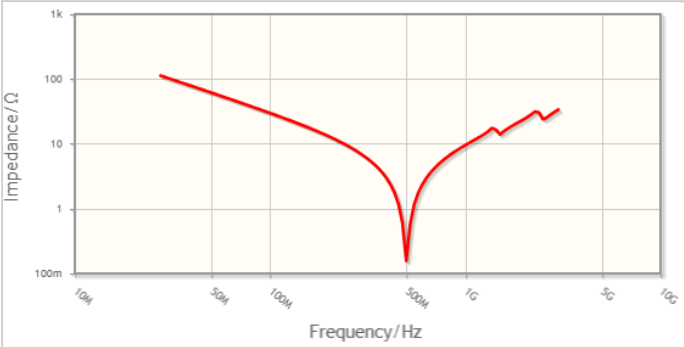
Other	
Operating Temp. Range	-55 to 125°C
Soldering Method	Reflow
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	1000pcs
FIT (Failure In Time)	This will be displayed when you login to myTDK

! 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.

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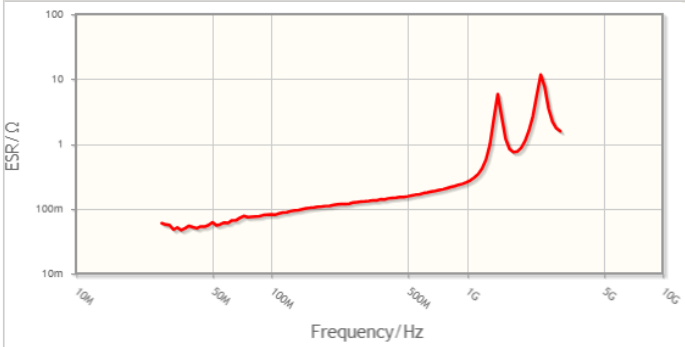
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



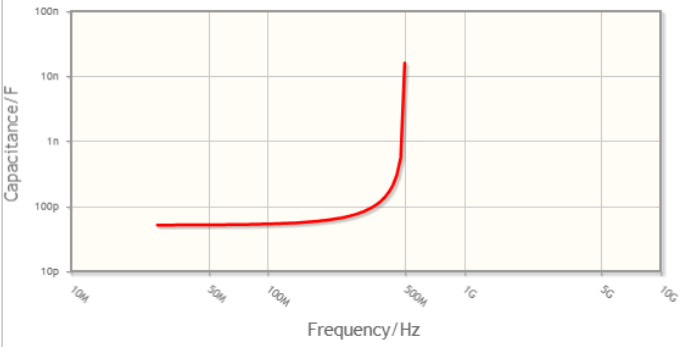
C4520C0G3F470K160KA

ESR



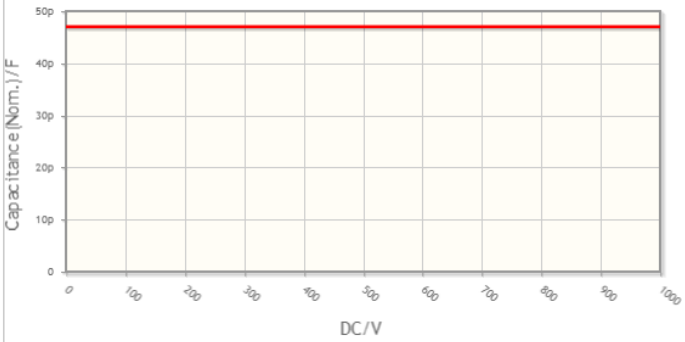
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Capacitance



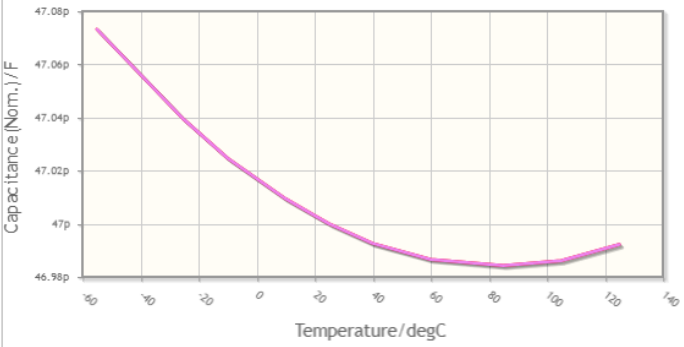
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DC Bias Characteristic



C4520C0G3F470K160KA

Temperature Characteristic



C4520C0G3F470K160KA(No Bias) C4520C0G3F470K160KA(DC Bias = 1500V)

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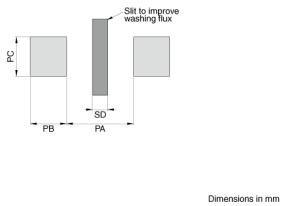
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Associated Images

Land Pattern (Terminal Connection)



Dimensions in mm

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