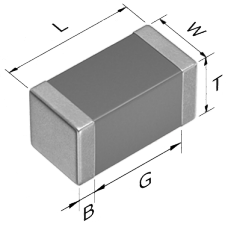
Multilayer Ceramic Chip Capacitors

C1608C0G1H471F080AA

Product Status	Production (NRND)
TDK Item Description	C1608C0G1H471FT****
Applications	Commercial Grade
Feature	GeneralGeneral (Up to 75V)
Series	C1608 [EIA 0603]
Brand	TDK
Environmental Compliance	RoHS, REACH, Halogen Free, Lead Free



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	470pF ±1%
Rated Voltage	50VDC
Temperature Characteristic	C0G(0±30ppm/°C)
Q (Min.)	1000
Insulation Resistance (Min.)	10000MΩ

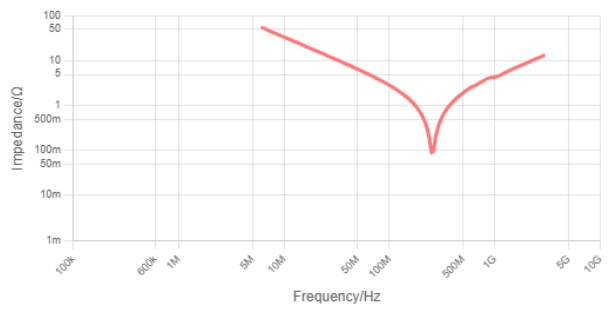
Other	
Operating Temp. Range	-55 to 125°C
Soldering Method	Wave (Flow) Reflow
AEC-Q200	NO
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000pcs
FIT (Failure In Time)	This will be displayed when you login to myTDK

! Images are for reference only and show exemplary products.
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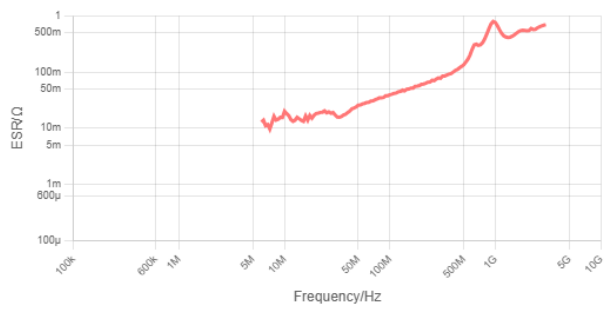
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



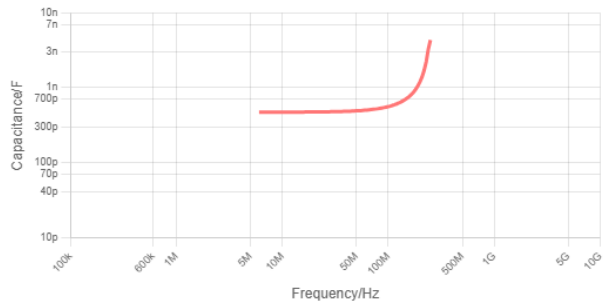
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ESR



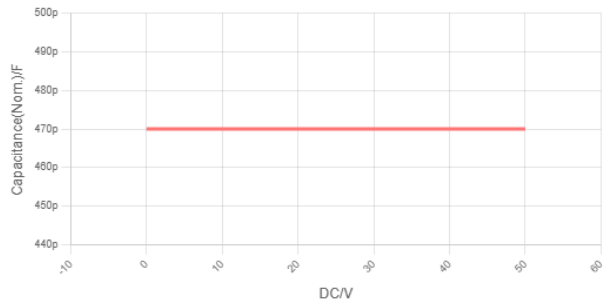
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Capacitance



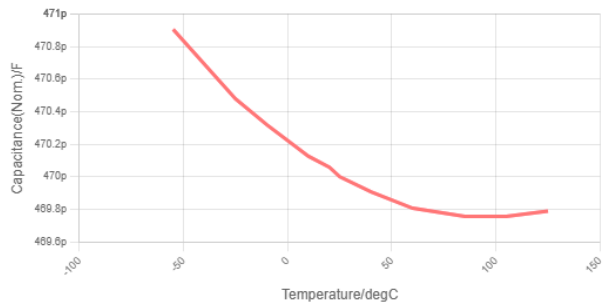
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DC Bias Characteristic



C1608C0G1H471F080AA

Temperature Characteristic



C1608C0G1H471F080AA(No Bias)
C1608C0G1H471F080AA(DC Bias = 25V)

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Associated Images

Land Pattern (Terminal Connection)



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