Creation Date : August 18, 2019 (GMT)

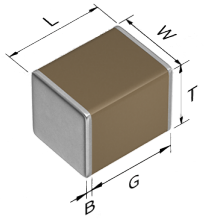
Multilayer Ceramic Chip Capacitors

CGA6P1X7S1A476M250AC New

Product

RoHS | REACH SVHC-Free | Halogen Free | Lead Free

TDK item description	CGA6P1X7S1A476MT****
Applications	Automotive Grade
Feature	General General (Up to 75V) AEC-Q200 AEC-Q200
Series	CGA6(3225) [EIA 1210]
Status	Production



Size	
Length(L)	3.20mm ±0.40mm
Width(W)	2.50mm ±0.30mm
Thickness(T)	2.50mm ±0.30mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	
Recommended Land Pattern (PA)	2.00mm to 2.40mm
Recommended Land Pattern (PB)	1.00mm to 1.20mm
Recommended Land Pattern (PC)	1.90mm to 2.50mm

Electrical Characteristics	
Capacitance	47µF ±20%
Rated Voltage	10VDC
Temperature Characteristic	X7S(±22%)
Dissipation Factor (Max.)	7.5%
Insulation Resistance (Min.)	2MΩ

Other	
Soldering Method	Reflow
AEC-Q200	Yes
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	1000pcs

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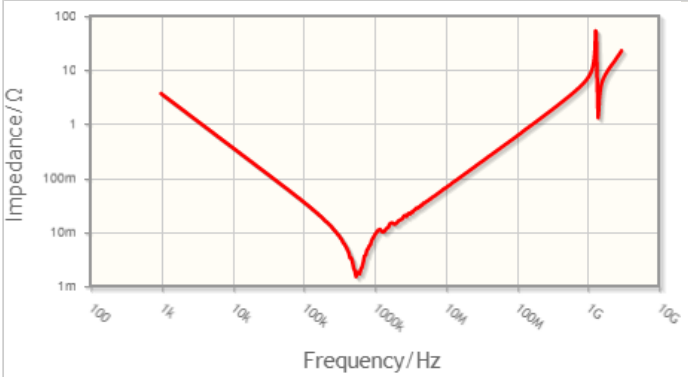
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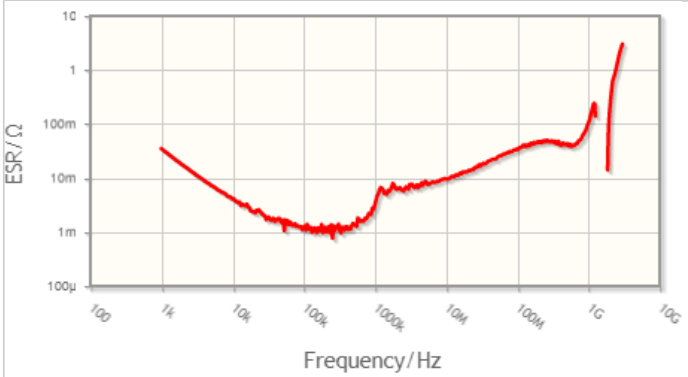
Characteristic Graphs (This is reference data, and does not guarantee the products characteristics.)

Impedance



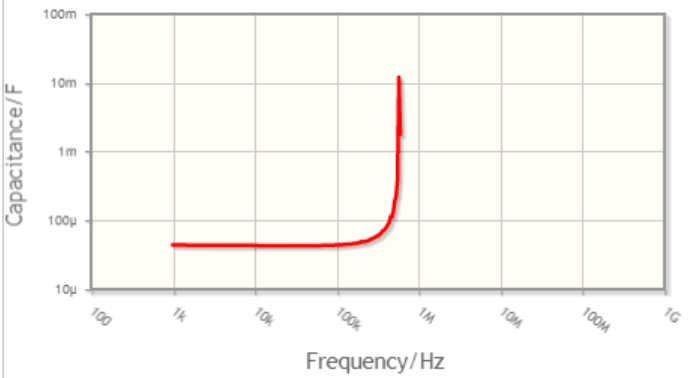
CGA6P1X7S1A476M250AC

ESR



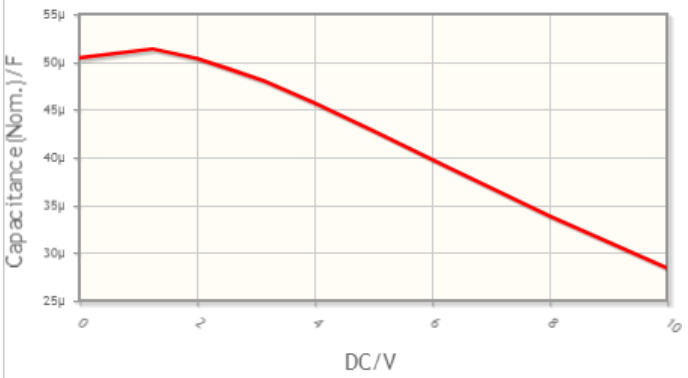
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Capacitance



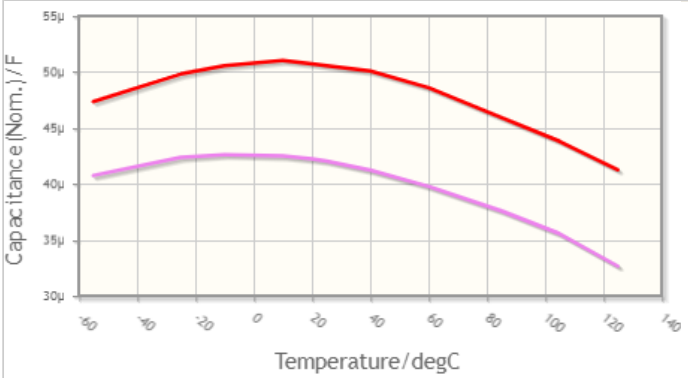
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DC Bias Characteristic



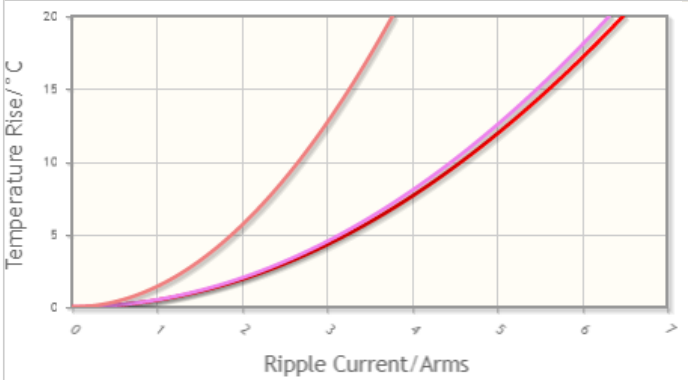
CGA6P1X7S1A476M250AC

Temperature Characteristic



CGA6P1X7S1A476M250AC(No Bias)
CGA6P1X7S1A476M250AC(DC Bias = 5V)

Ripple Temperature Rising



CGA6P1X7S1A476M250AC(100kHz) CGA6P1X7S1A476M250AC(500kHz) CGA6P1X7S1A476M250AC(1MHz)

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Associated Images

Land Pattern (Terminal Connection)



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