

CGA6P1X8R1E106K250AE

TDK Item Description : CGA6P1X8R1E106KT***S



Equivalent C3225X8R1E106K for Automotive

Application & Main Feature

Automotive Grade (Soft Termination)

Series

CGA6(3225) [EIA 1210]



Dimensions

L	3.20mm +0.5,-0.4mm
W	2.50mm +/-0.3mm
T	2.50mm +/-0.3mm
B	0.20mm Min.
G	

Temperature Characteristic

X8R (-55 to 150 degC ±15%)

Rated Voltage

1E (25Vdc)

Capacitance

10uF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

5% Max.

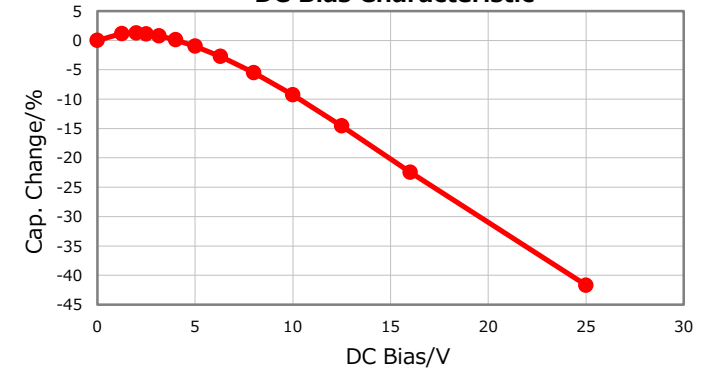
Insulation Resistance

50Mohm Min.

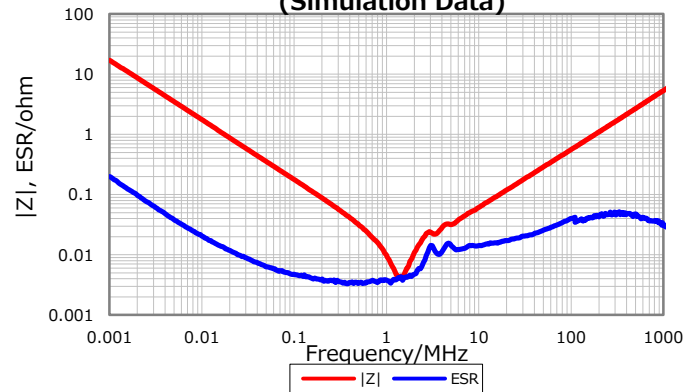
AEC-Q200

Yes

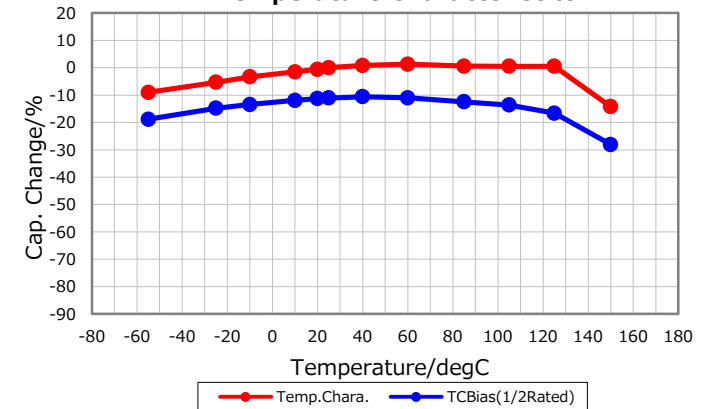
DC Bias Characteristic



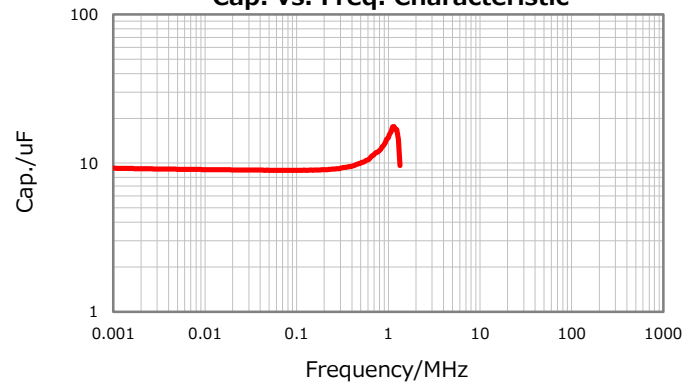
|Z|, ESR vs. Freq. Characteristics (Simulation Data)



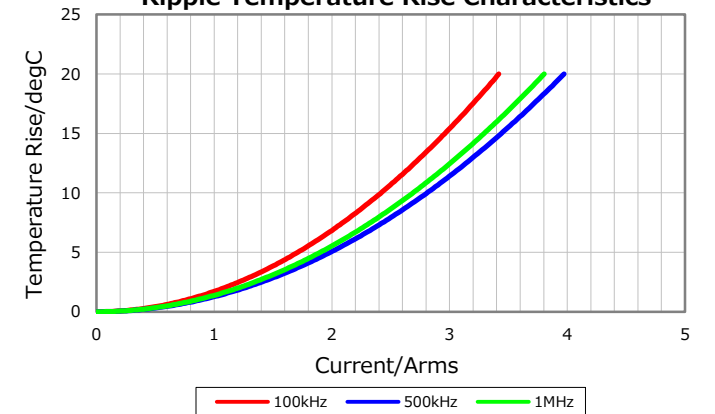
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



Characterization Sheet (Multilayer Ceramic Chip Capacitors)



All specifications are subject to change without notice.

July 24, 2018