

# CKG45KX7R1C106K290JJ

TDK Item Description : CKG45KX7R1C106KT\*\*\*\*



## Application & Main Feature

Automotive Grade ( MEGACAP Type )

## Series

CKG45K(4532) [EIA CC1812]



## Dimensions

L 5.00mm +/-0.5mm  
 W 3.50mm +/-0.5mm  
 T 2.90mm +/-0.1mm  
 E 1.10mm +/-0.3mm

## Temperature Characteristic

X7R (-55 to 125 degC +/-15%)

## Rated Voltage

1C (16Vdc)

## Capacitance

10uF

## Capacitance Tolerance

K (+/-10%)

## Dissipation Factor

5% Max.

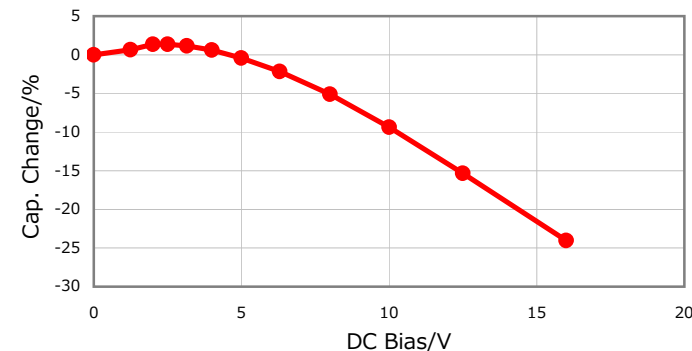
## Insulation Resistance

10Mohm Min.

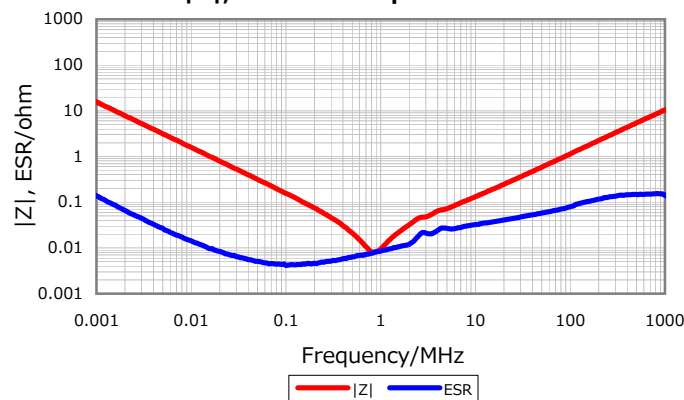
## AEC-Q200

Yes

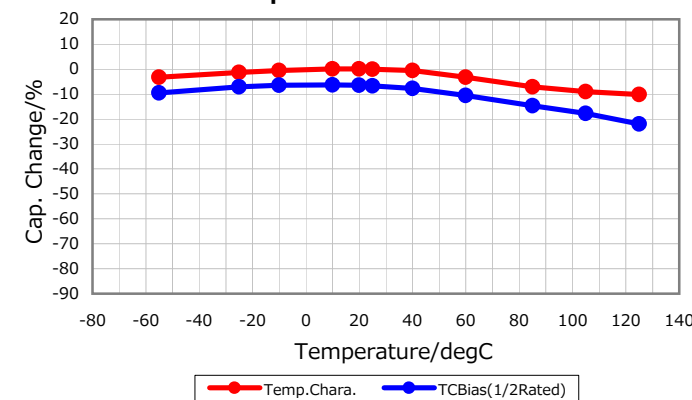
## DC Bias Characteristic



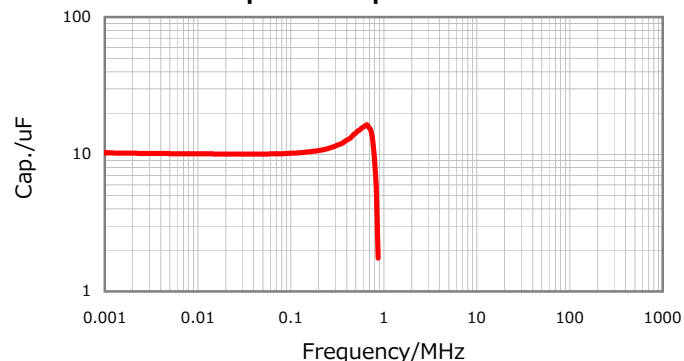
## |Z|, ESR vs. Freq. Characteristics



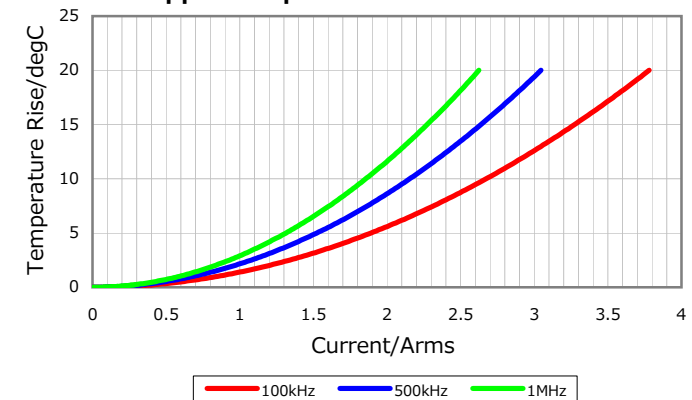
## Temperature Characteristics



## Cap. vs. Freq. Characteristic



## Ripple Temperature Rise Characteristics



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



⚠ All specifications are subject to change without notice.

January 4, 2016