

# CKG45KX7T2E105K290JJ

TDK item description : CKG45KX7T2E105KT\*\*\*\*

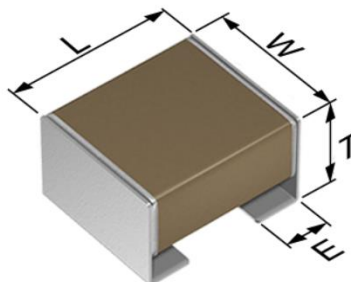


## Application & Main Feature

Automotive grade (MEGACAP)

## Series

CKG45K(4532) [EIA 1812]



## Dimensions

L 5.00±0.50 mm  
W 3.50±0.50 mm  
T 2.90±0.10 mm  
E 1.10±0.30 mm

## Temperature Characteristic

X7T (-55 to +125 degC, +22/-33%)

## Rated Voltage

2E (250Vdc)

## Capacitance

1µF

## Capacitance Tolerance

K (±10%)

## DF

2.5 % max.

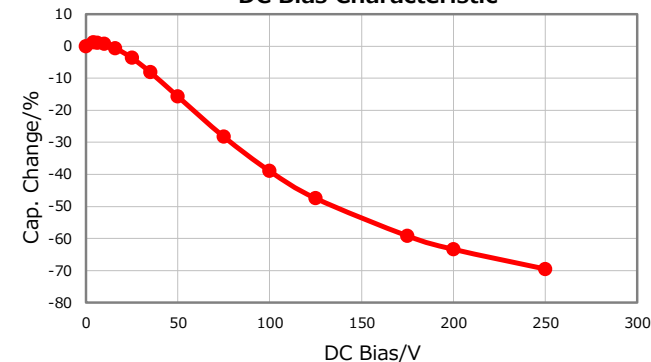
## Insulation Resistance

500 Mohm min.

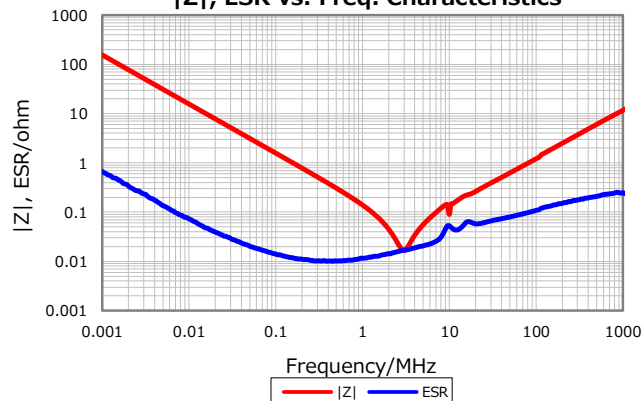
## AEC-Q200

Yes

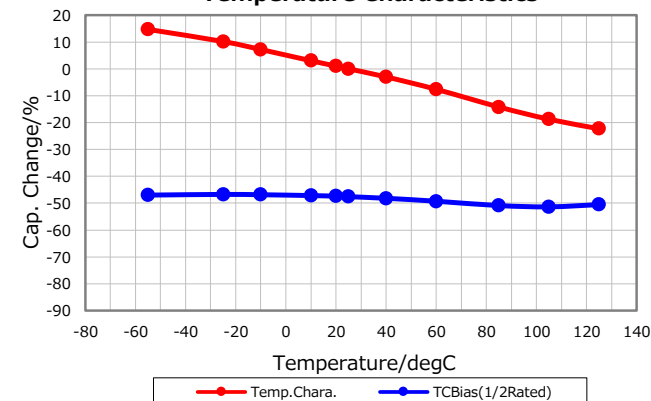
## DC Bias Characteristic



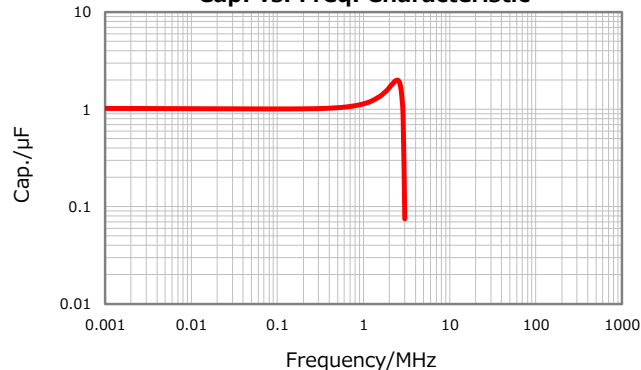
## |Z|, ESR vs. Freq. Characteristics



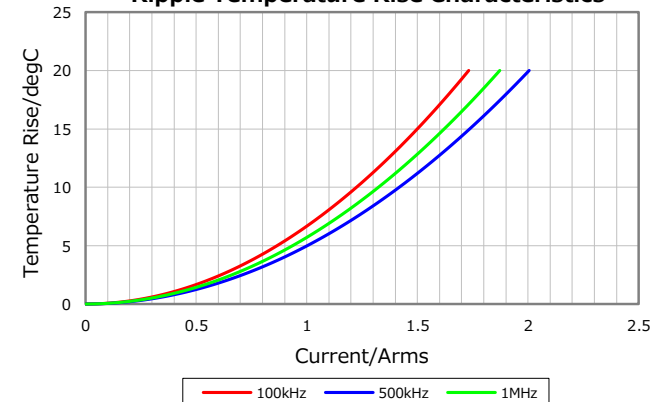
## Temperature Characteristics



## Cap. vs. Freq. Characteristic



## Ripple Temperature Rise Characteristics



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



All specifications are subject to change without notice.

April 12, 2022