

## Product Status

Production

## TDK Item Description

C5750X7T2W105KT\*\*\*\*

## Applications

Commercial Grade

Please refer to Part No. [CGA9P4X7T2W105K250KA](#) for Automotive use.

## Feature

Mid Voltage (100 to 630V)

## Series

C5750 [EIA 2220]

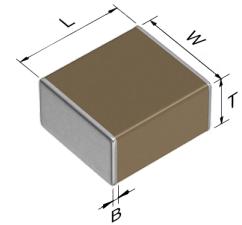
## Brand

TDK

## Environmental



## Compliance



## Size

Length(L) 5.70mm ±0.40mm

Width(W) 5.00mm ±0.40mm

Thickness(T) 2.50mm ±0.30mm

Terminal Width(B) 0.20mm Min.

Recommended Land Pattern (PA) 4.10mm to 4.80mm

Recommended Land Pattern (PB) 1.20mm to 1.40mm

Recommended Land Pattern (PC) 4.00mm to 5.00mm

## Electrical Characteristics

Capacitance 1μF ±10%

Rated Voltage 450VDC

Temperature Characteristic X7T(+22,-33%)

Dissipation Factor (Max.) 2.5%

Insulation Resistance (Min.) 500MΩ

## Other

Operating Temp. Range -55 to 125°C

Soldering Method Reflow

AEC-Q200

NO

Packing Embossed (Plastic)Taping [180mm Reel]

Package Quantity 500pcs

FIT (Failure In Time) This will be displayed when you [login](#) to myTDK

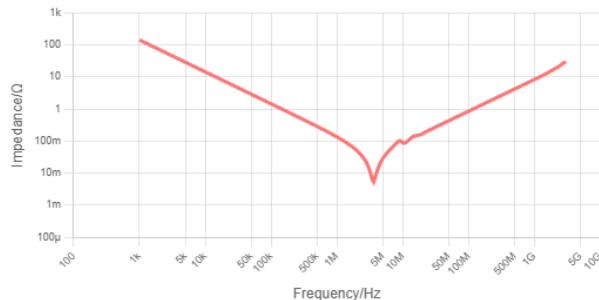
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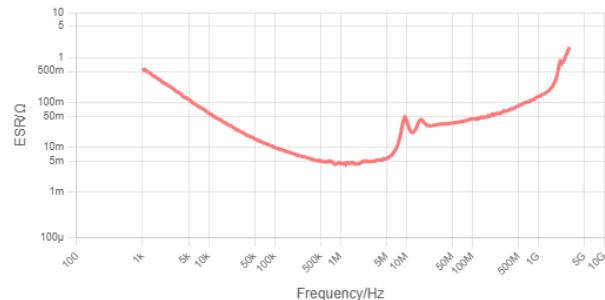
## Characteristic Graphs (This is reference data, and does not guarantee the products characteristics.)

## Impedance



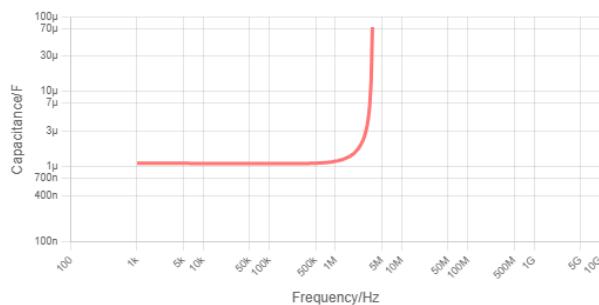
● C5750X7T2W105K250KA

## ESR



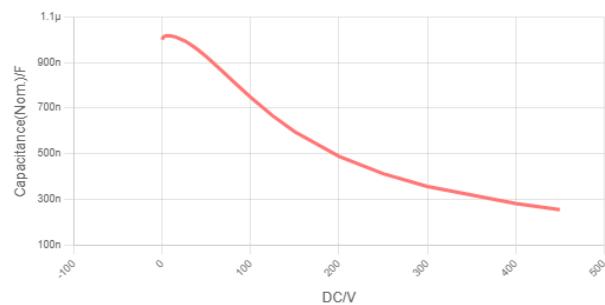
● C5750X7T2W105K250KA

## Capacitance



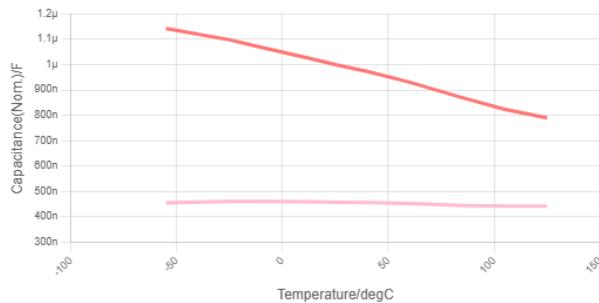
● C5750X7T2W105K250KA

## DC Bias Characteristic

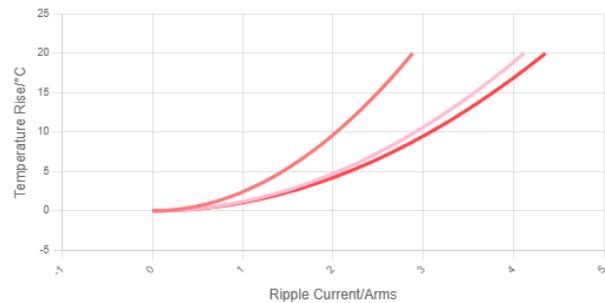


● C5750X7T2W105K250KA

## Temperature Characteristic


 ● C5750X7T2W105K250KA(No Bias)  
 ● C5750X7T2W105K250KA(DC Bias = 225V)

## Ripple Temperature Rising

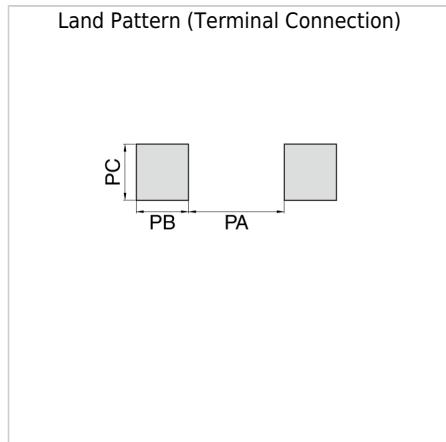

 ● C5750X7T2W105K250KA(100kHz)  
 ● C5750X7T2W105K250KA(500kHz)  
 ● C5750X7T2W105K250KA(1MHz)

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## Associated Images



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