

# Multilayer Ceramic Chip Capacitors

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**CKCL22X5R0J105M085AA**



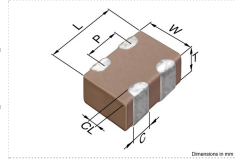
**TDK item description** ? CKCL22X5R0J105MT\*\*\*\*

**Applications** Commercial Grade

**Feature** 2-Array 2 in 1 Array

**Series** CKCL22(2012) [EIA 0805]

**Status** Production (Not Recommended for New Design)



Images are for reference only and show exemplary products.

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### Documents

- Catalog
- Specification
- RoHS Certificate
- SVHC/REACH Certificate
- Characterization Sheet
- Promotion Video
- Sample Kits

### Technical Support Tools

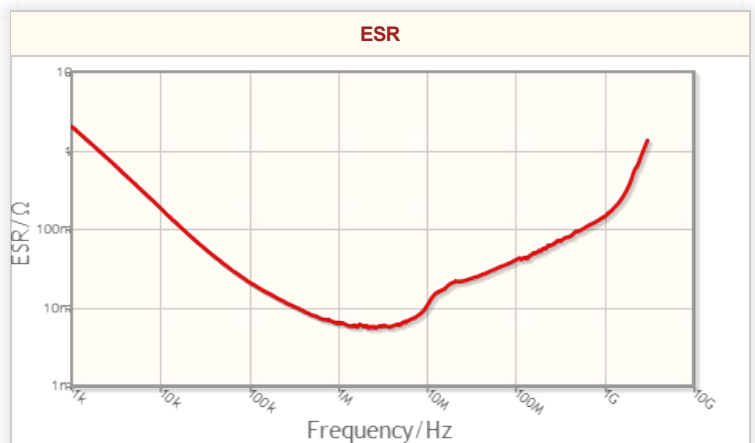
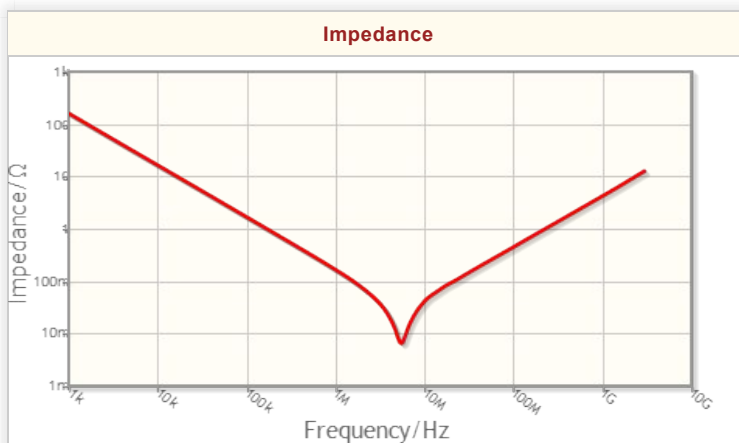
- SPICE Netlist (Simple)
- SPICE Netlist (Precision)
- Equivalent Circuit Model
- DC Bias/Superimposition Model (HSPICE)

Size	
Length(L)	2.00mm ±0.15mm
Width(W)	1.25mm ±0.15mm
Thickness(T)	0.85mm ±0.15mm
Terminal Width(C)	0.45mm Nom.
Terminal Spacing(P)	1.00mm Nom.
Recommended Land Pattern (PA)	0.55mm to 0.65mm
Recommended Land Pattern (PB)	0.55mm to 0.65mm
Recommended Land Pattern (PC)	0.40mm to 0.50mm
Recommended Land Pattern (PP)	0.95mm to 1.05mm

Electrical Characteristics	
Capacitance	1μF ±20%
Rated Voltage	6.3VDC
Temperature Characteristic ?	X5R(±15%)
Dissipation Factor (Max.)	5%
Insulation Resistance (Min.)	100MΩ

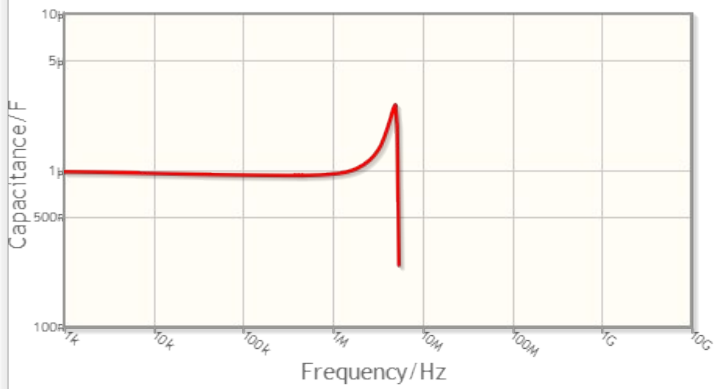
Other	
Soldering Method	Reflow
AEC-Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	4000pcs

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



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### Capacitance

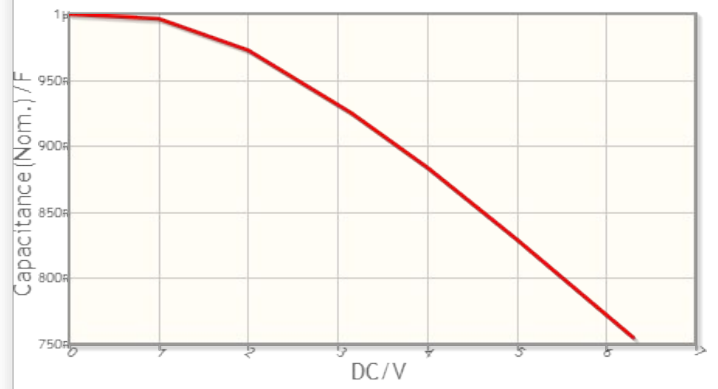


CKCL22X5R0J105M085AA

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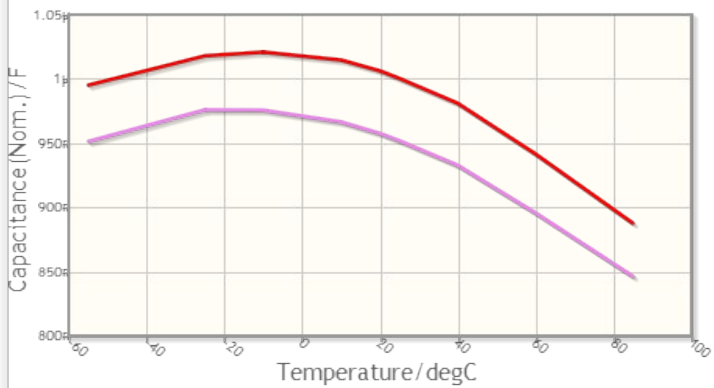
### DC Bias Characteristic



CKCL22X5R0J105M085AA

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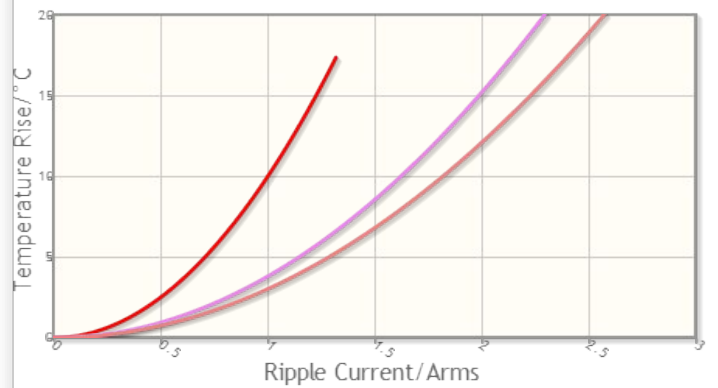
### Temperature Characteristic



CKCL22X5R0J105M085AA( No Bias) CKCL22X5R0J105M085AA(DC Bias = 3.15V )

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### Ripple Temperature Rising



CKCL22X5R0J105M085AA(100 kHz) CKCL22X5R0J105M085AA(500 kHz) CKCL22X5R0J105M085AA(1 MHz)

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- » Voltage / Current / Temperature Protection Devices
- » Wireless Charging
- » Sensors and Sensor Systems
- » FA Systems
- » Ceramic Switching / Heating, Piezo Components and Buzzers
- » Transparent Conductive Film
- » Transformers
- » Micro Modules (Substrates with Built-in ICs, Products Utilizing with SESUB)
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