

# Multilayer Ceramic Chip Capacitors

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**CKCL44X7R1H102M085AA**



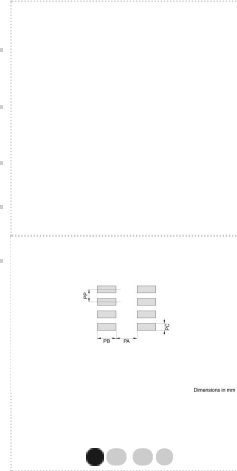
**TDK item description** ? CKCL44X7R1H102MT\*\*\*\*

**Applications** Commercial Grade

**Feature** 4 in 1 Array

**Series** CKCL44(2012) [EIA 0805]

**Status** Production



Images are for reference only and show exemplary products.

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**Documents**

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

**Technical Support Tools**

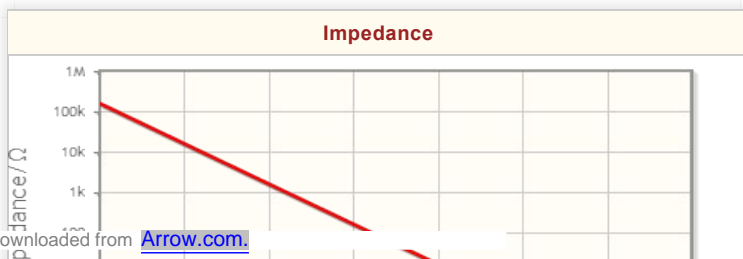
- SPICE Netlist (Simple)
- SPICE Netlist (Precision)
- Equivalent Circuit Model
- DC Bias/Superimpotision Model (HSPICE)

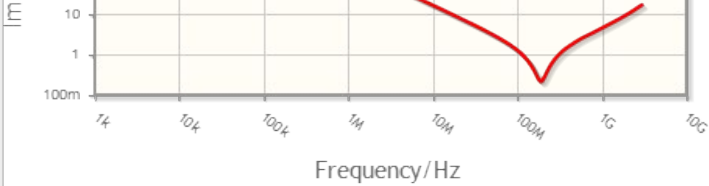
Size	
Length(L)	2.00mm ±0.15mm
Width(W)	1.25mm ±0.15mm
Thickness(T)	0.85mm ±0.15mm
Terminal Width(C)	0.25mm Nom.
Terminal Spacing(P)	0.50mm Nom.
Recommended Land Pattern (PA)	0.55mm Nom.
Recommended Land Pattern (PB)	0.60mm Nom.
Recommended Land Pattern (PC)	0.25mm Nom.
Recommended Land Pattern (PP)	0.50mm Nom.

Electrical Characteristics	
Capacitance	1nF ±20%
Rated Voltage	50VDC
Temperature Characteristic ?	X7R(±15%)
Dissipation Factor (Max.)	3%
Insulation Resistance (Min.)	10000MΩ

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

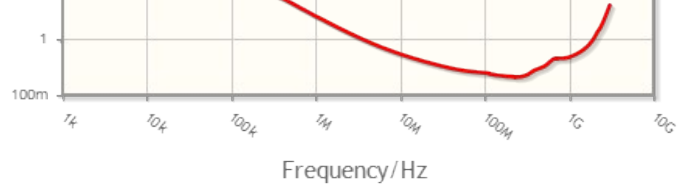
**Characteristic Graph (This is reference data, and does not guarantee the products characteristics.)**





CKCL44X7R1H102M085AA

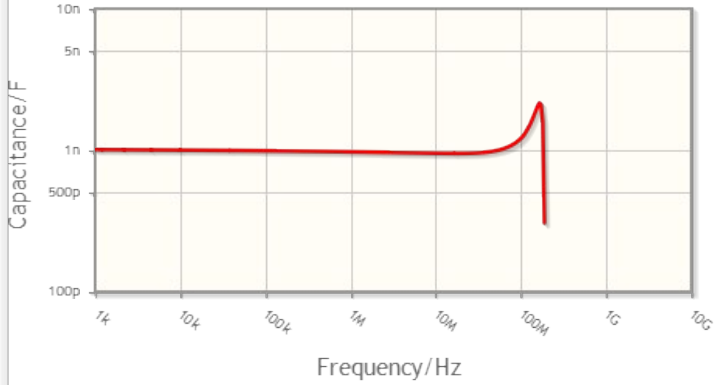
Change settings



CKCL44X7R1H102M085AA

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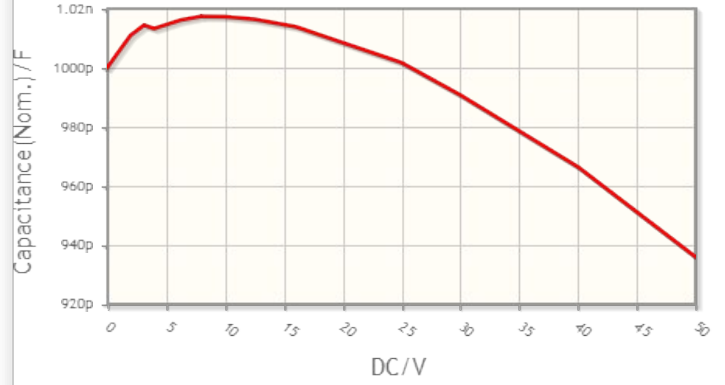
### Capacitance



CKCL44X7R1H102M085AA

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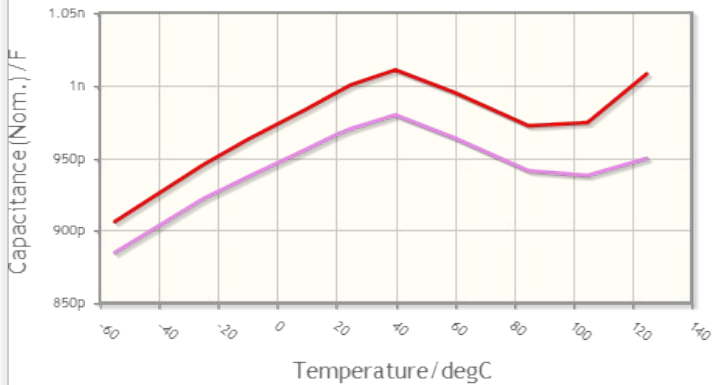
### DC Bias Characteristic



CKCL44X7R1H102M085AA

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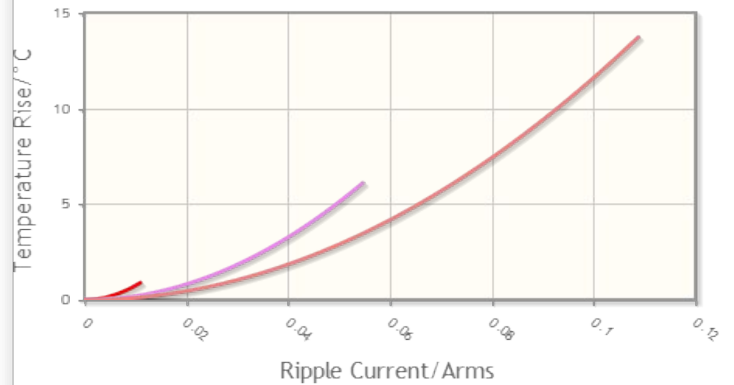
### Temperature Characteristic



CKCL44X7R1H102M085AA( No Bias) CKCL44X7R1H102M085AA(DC Bias s = 25V)

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### Ripple Temperature Rising



CKCL44X7R1H102M085AA(10 0kHz) CKCL44X7R1H102M085AA(50 0kHz) CKCL44X7R1H102M085AA(1 MHz)

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