

# Multilayer Ceramic Chip Capacitors

Product Top Page Search by Part No. Search by Characteristics Cross Reference Catalog Tech Note Technical Support Tool FAQ

**CKCA43X7R1H222M100AA**



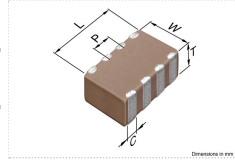
**TDK item description** ? CKCA43X7R1H222MT\*\*\*\*

**Applications** Commercial Grade

**Feature** 4-Array 4 in 1 Array

**Series** CKCA43(3216) [EIA 1206]

**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

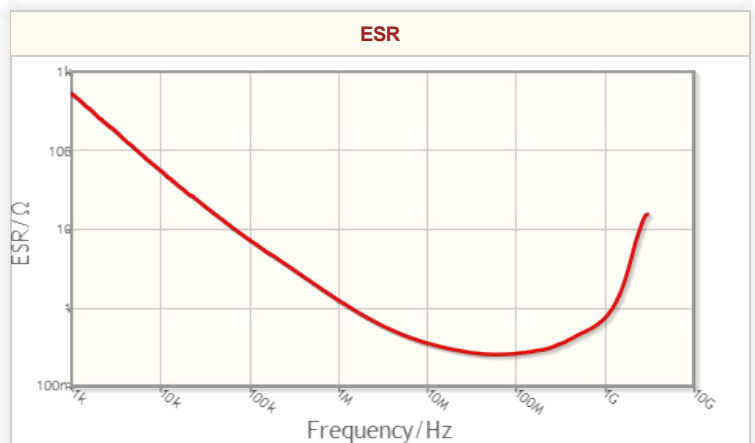
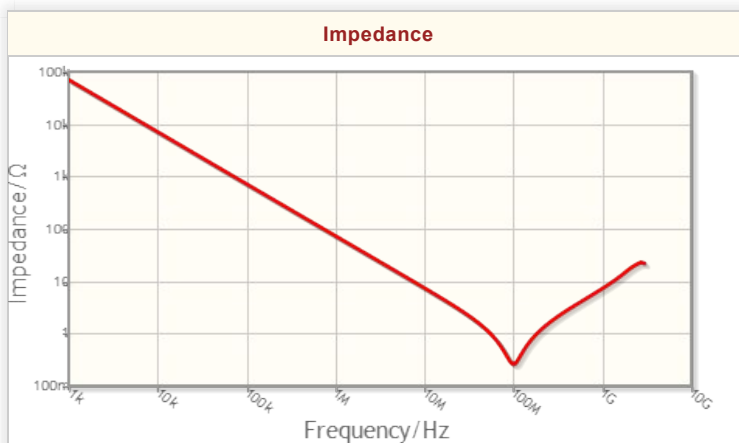
- SPICE Netlist (Simple)
- SPICE Netlist (Precision)
- Equivalent Circuit Model
- DC Bias/Superimposition Model (HSPICE)

Size	
Length(L)	3.20mm ±0.20mm
Width(W)	1.60mm ±0.20mm
Thickness(T)	1.00mm ±0.15mm
Terminal Width(C)	0.40mm Nom.
Terminal Spacing(P)	0.80mm Nom.
Recommended Land Pattern (PA)	0.60mm to 0.70mm
Recommended Land Pattern (PB)	0.80mm to 1.00mm
Recommended Land Pattern (PC)	0.40mm Nom.
Recommended Land Pattern (PP)	0.80mm Nom.

Electrical Characteristics	
Capacitance	2.2nF ±20%
Rated Voltage	50VDC
Temperature Characteristic ?	X7R(±15%)
Dissipation Factor (Max.)	3%
Insulation Resistance (Min.)	10000MΩ

Other	
Soldering Method	Reflow
AEC-Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs

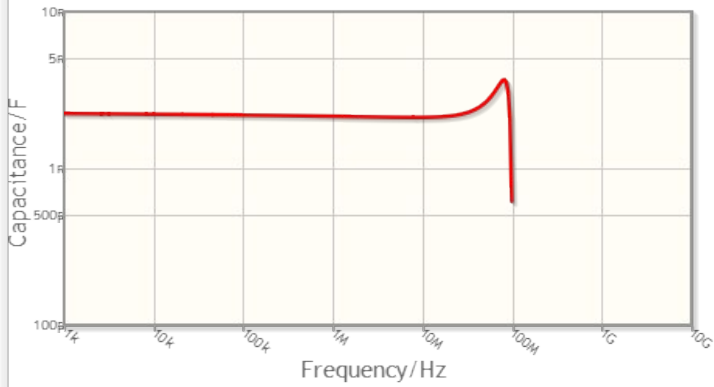
## Characteristic Graph (This is reference data, and does not guarantee the products characteristics.)



CKCA43X7R1H222M100AA

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### Capacitance

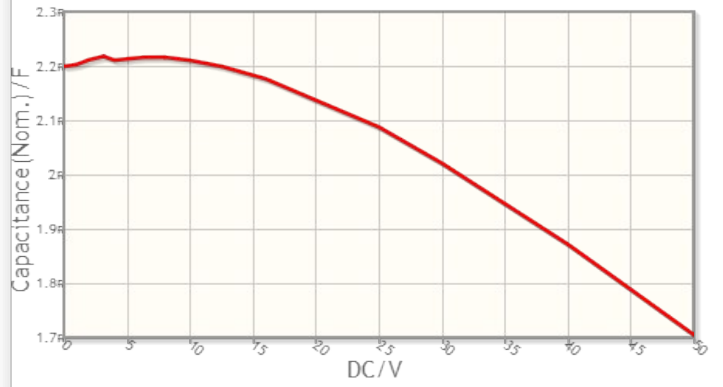


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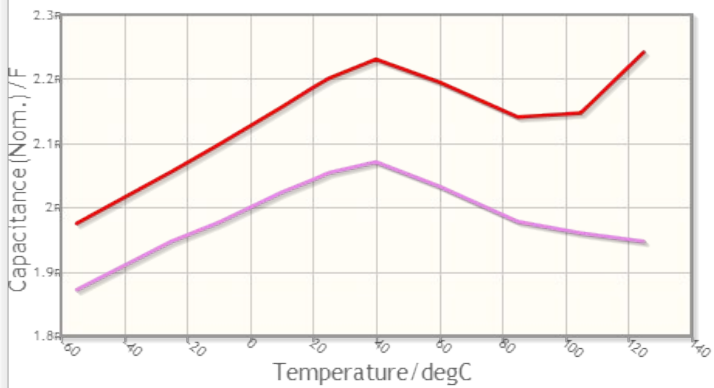
### DC Bias Characteristic



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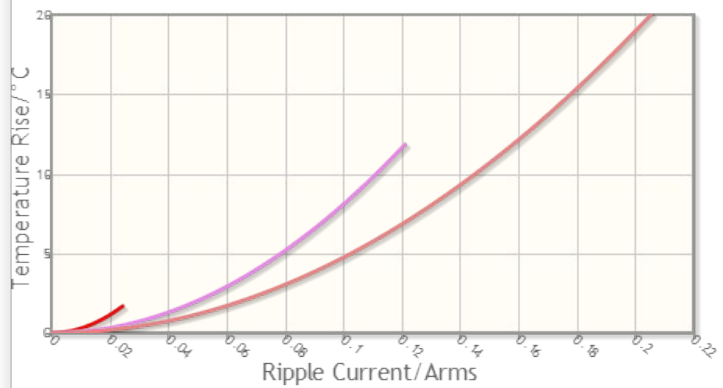
### Temperature Characteristic



CKCA43X7R1H222M100AA( No Bias) CKCA43X7R1H222M100AA(DC Bias s = 25V )

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### Ripple Temperature Rising



CKCA43X7R1H222M100AA(10 0kHz) CKCA43X7R1H222M100AA(50 0kHz) CKCA43X7R1H222M100AA(1 MHz)

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- » Transformers
- » Ferrites and Accessories
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- » Anechoic Chambers and Radio Wave Absorbers
- » Power Supplies
- » Magnets
- » Flash Storages
- » Wireless Charging
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