

Multilayer Ceramic Chip Capacitors

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CGA6M3X7S2A475K200AB

TDK item description

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CGA6M3X7S2A475KT****

Applications	Automotive Grade
Feature	<div>Mid</div> <div>AEC-Q200</div> <div>Mid Voltage (100 to 630V)</div> <div>AEC-Q200</div>
Series	CGA6(3225) [EIA 1210]
Status	Production



Images are for reference only and show exemplary products.

Size	
Length(L)	3.20mm ±0.40mm
Width(W)	2.50mm ±0.30mm
Thickness(T)	2.00mm ±0.20mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	
Recommended Land Pattern (PA)	2.00mm to 2.40mm
Recommended Land Pattern (PB)	1.00mm to 1.20mm
Recommended Land Pattern (PC)	1.90mm to 2.50mm

Electrical Characteristics	
Capacitance	4.7μF ±10%
Rated Voltage	100VDC
Temperature Characteristic ?	X7S(±22%)
Dissipation Factor (Max.)	5%
Insulation Resistance (Min.)	106MΩ

Other	
Soldering Method	Reflow
AEC-Q200	Yes
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	1000pcs

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

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RoHS

REACH SVHC-Free

Halogen Free

Lead Free

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Specification

RoHS Certificate

SVHC/REACH Certificate

Update

Selection Guide for Automotive MLCC

New

[Promotion Video] xEV Higher Withstand Voltage Applications

Recommended

Sample Kits

Characterization Sheet

Technical Support Tools

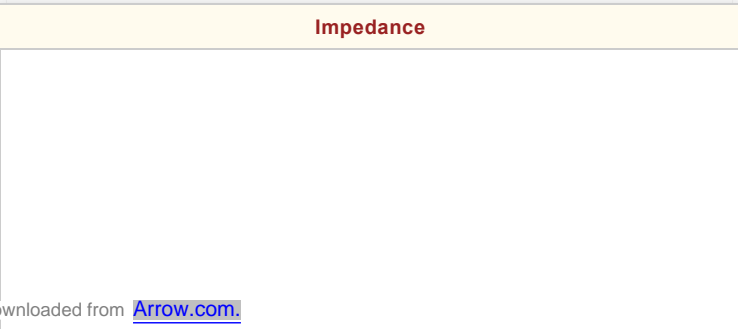
S-parameter

SPICE Netlist (Simple)

SPICE Netlist (Precision)

Equivalent Circuit Model

DC Bias/Superimpotision Model (HSPICE)



CGA6M3X7S2A475K200AB

Configuration

Capacitance

CGA6M3X7S2A475K200AB

Configuration

CGA6M3X7S2A475K200AB

Configuration

DC Bias Characteristic

CGA6M3X7S2A475K200AB

Configuration

CGA6M3X7S2A475K200AB(No Bias) CGA6M3X7S2A475K200AB(DC Bias = 50V)

Configuration

Temperature Characteristic

CGA6M3X7S2A475K200AB(100kHz) CGA6M3X7S2A475K200AB(500kHz) CGA6M3X7S2A475K200AB(1MHz)

Configuration

CGA6M3X7S2A475K200AB(100kHz) CGA6M3X7S2A475K200AB(500kHz) CGA6M3X7S2A475K200AB(1MHz)

Configuration

Ripple Temperature Rising

CGA6M3X7S2A475K200AB(100kHz) CGA6M3X7S2A475K200AB(500kHz) CGA6M3X7S2A475K200AB(1MHz)

Configuration



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 - RF Components and Modules >
 - Voltage / Current / Temperature Protection Devices >
 - Sensors and Sensor Systems >
 - Ceramic Switching / Heating, Piezo Components, Buzzers and Microphones >
 - Transformers >
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Power Supplies	>
Magnets	>
Flash Storages	>
Wireless Power Transfer	>
FA Systems	>
Transparent Conductive Film	>
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