Multilayer Ceramic Chip Capacitors

C0603X6S1A224K030BC

Product Status	Production
TDK Item Description	C0603X6S1A224KT****
Applications	Commercial Grade
Feature	General General (Up to 75V)
Series	C0603 [EIA 0201]
Brand	TDK
Environmental Compliance	RoHS REACH Halogen Free Lead Free

Images are for reference only and show example products.

Catalog
Distributor Stock Info
Save Page as PDF
Distributor List
Contact Us

Tech Info
Collapse all | Expand all

DOCUMENTS
Specification
RoHS Certificate
SVHC / REACH Certificate
Characterization Sheet
Sample Kits

TECHNICAL SUPPORT TOOLS
S-parameter
SPICE Netlist (Simple)
SPICE Netlist (Precision)
Equivalent Circuit Model
DC Bias / Superimpotision Model (HSpice)
DC Bias / Superimpotision Model (LTSpice)
DC Bias / Superimpotision Model (PSpice)

3RD PARTY ECAD MODELS
SnapMagic

Size

Length(L)	0.60mm ±0.05mm
Width(W)	0.30mm ±0.05mm
Thickness(T)	0.30mm ±0.05mm
Terminal Width(B)	0.10mm Min.
Terminal Spacing(G)	0.20mm Min.
Recommended Land Pattern (PA)	0.25mm to 0.35mm
Recommended Land Pattern (PB)	0.20mm to 0.30mm
Recommended Land Pattern (PC)	0.25mm to 0.35mm

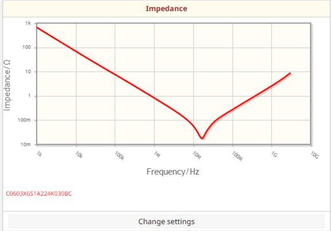
Electrical Characteristics

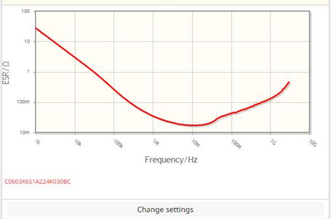
Capacitance	220nF ±10%
Rated Voltage	10VDC
Temperature Characteristic	X6S(±22%)
Dissipation Factor (Max.)	10%
Insulation Resistance (Min.)	454MΩ

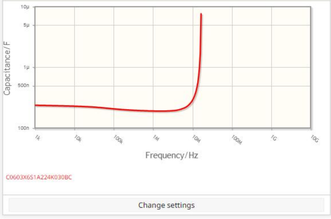
Other

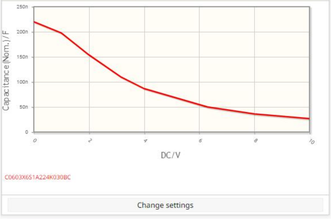
Operating Temp. Range	-55 to 105°C
Soldering Method	Reflow
AEC-Q200	NO
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	15000pcs

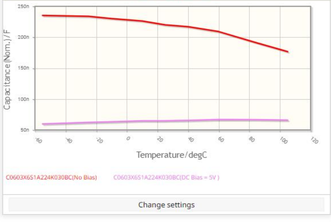
Characteristic Graph (This is reference data, and does not guarantee the products characteristics.)

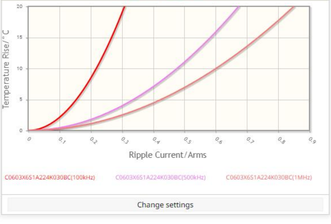












Customer who viewed this product also viewed

CHIP CAPACITORS
M030BB

MULTILAYER CERAMIC CHIP CAPACITORS
C0603X5R0J334M030BC
Capacitance=0.33μF
Edc=6.3V
T.C.=X5R
LxWxT:0.6x0.3x0.3mm
General

MULTILAYER CERAMIC CHIP CAPACITORS
C0603X6S0J224K030BC
Capacitance=0.22μF
Edc=6.3V
T.C.=X6S
LxWxT:0.6x0.3x0.3mm
General

MULTILAYER CERAM
C0603X7R1E1
Capacitance=100p
Edc=25V
T.C.=X7R
LxWxT:0.6x0.3x0.3
General

Copyright(c) 2025 TDK Corporation. All rights reserved.
TDK logo is a trademark or registered trademark of TDK Corporation.
Customized by Arrow.com