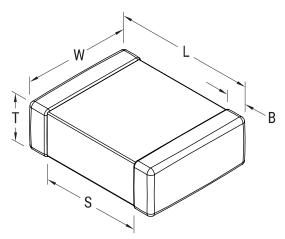


## C0603T223K3RCLTU

Aliases (C0603T223K3RCL7867) SMD COTS X7R, Ceramic, 0.022 uF, 10%, 25 VDC, X7R, SMD, MLCC, COTS, Temperature Stable, Class II, 0603, 0.5 mm



Click here for the 3D model.

SCIP Number2d771165-5336-48a3-96fa-366 3929fd828TerminationLead (SnPb)MarkingNo	General Information	
Description   SMD, MLCC, COTS, Temperature Stable, Class II     Features   Temperature Stable, Class II     RoHS   No     Prop 65   WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov /     SCIP Number   2d771165-5336-48a3-96fa-366 3929fd828     Termination   Lead (SnPb)     Marking   No     Failure Rate   Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469, Humidity	Series	SMD COTS X7R
Temperature Stable, Class II     Features   Temperature Stable, Class II     RoHS   No     Prop 65   WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov /     SCIP Number   2d771165-5336-48a3-96fa-366 3929fd828     Termination   Lead (SnPb)     Marking   No     Failure Rate   Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469, Humidity	Style	SMD Chip
RoHS No   Prop 65 WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov /   SCIP Number 2d771165-5336-48a3-96fa-366 3929fd828   Termination Lead (SnPb)   Marking No   Failure Rate Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469, Humidity	Description	
Prop 65   WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov /     SCIP Number   2d771165-5336-48a3-96fa-366 3929fd828     Termination   Lead (SnPb)     Marking   No     Failure Rate   Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469, Humidity	Features	Temperature Stable, Class II
reproductive harm - https://www.p65warnings.ca.gov / SCIP Number 2d771165-5336-48a3-96fa-366 3929fd828 Termination Lead (SnPb) Marking No Failure Rate Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469, Humidity	RoHS	No
3929fd828   Termination Lead (SnPb)   Marking No   Failure Rate Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469, Humidity	Prop 65	
Marking No   Failure Rate Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469, Humidity	SCIP Number	2d771165-5336-48a3-96fa-366 3929fd828
Failure Rate Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469, Humidity	Termination	Lead (SnPb)
8%, DPA per EIA-469, Humidity	Marking	No
Condition A	Failure Rate	per MIL-STD-202, Method 103,
AEC-Q200 No	AEC-Q200	No
Typical Component Weight 4.8 mg	Typical Component Weight	4.8 mg
Shelf Life 78 Weeks	Shelf Life	78 Weeks
MSL 1	MSL	1

Dimensions	
Chip Size	0603
L	1.6mm +/-0.15mm
W	0.8mm +/-0.15mm
т	0.8mm +/-0.07mm
S	0.5mm MIN
В	0.35mm +/-0.15mm

Packaging Specifications	
Packaging	T&R, 180mm, Paper Tape
Packaging Quantity	4000

Specifications	
Capacitance	0.022 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	25 VDC
Dielectric Withstanding Voltage	62.5 VDC
Temperature Range	-55/+125°C
Temp. Coefficient	X7R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	15%, 1kHz 1.0Vrms
Dissipation Factor	3.5%1 kHz 1.0Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	45.4545 GOhms

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.