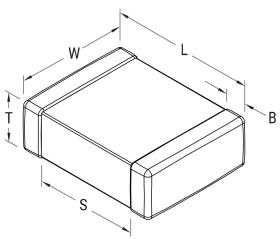


C0402T470F5GBCTU

Aliases (C0402T470F5GBC7867)

SMD COTS COG, Ceramic, 47 pF, 1%, 50 VDC, COG, SMD, MLCC, COTS, Ultra-Stable, Low Loss, Class I, 0402



Click here for the 3D model.

Dimensions	
Chip Size	0402
L	1mm +/-0.05mm
W	0.5mm +/-0.05mm
Т	0.5mm +/-0.05mm
S	0.3mm MIN
В	0.3mm +/-0.1mm

Packaging Specifications	
Packaging	T&R, 180mm, Paper Tape
Packaging Quantity	10000

Description Class I Features Ultra-Stable, Low Loss, Class I RoHS Yes Termination Tin Marking false Failure Rate Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469 AEC-Q200 No Typical Component 106 mg	General Information	
Description SMD, MLCC, COTS, Ultra-Stable, Low Loss, Class I Features Ultra-Stable, Low Loss, Class I RoHS Yes Termination Tin Marking false Failure Rate Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469 AEC-Q200 No Typical Component 106 mg	Series	SMD COTS COG
Description Class I Features Ultra-Stable, Low Loss, Class I RoHS Yes Termination Tin Marking false Failure Rate Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469 AEC-Q200 No Typical Component 106 mg	Style	SMD Chip
RoHS Yes Termination Tin Marking false Failure Rate Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469 AEC-Q200 No Typical Component 106 mg	Description	SMD, MLCC, COTS, Ultra-Stable, Low Loss, Class I
Termination Tin Marking false Failure Rate Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469 AEC-Q200 No Typical Component 106 mg	Features	Ultra-Stable, Low Loss, Class I
Marking false Failure Rate Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469 AEC-Q200 No Typical Component 106 mg	RoHS	Yes
Failure Rate Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469 AEC-Q200 No Typical Component 106 mg	Termination	Tin
AEC-Q200 No Typical Component 106 mg	Marking	false
Typical Component 106 mg	Failure Rate	Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469
	AEC-Q200	No
weight	Typical Component Weight	1.06 mg
Shelf Life 78 Weeks	Shelf Life	78 Weeks
MSL 1	MSL	1

Specifications	
Capacitance	47 pF
Measurement Condition	1 MHz 1.0Vrms
Capacitance Tolerance	1%
Voltage DC	50 VDC
Dielectric Withstanding Voltage	125 VDC
Temperature Range	-55/+125°C
Temperature Coefficient	COG
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	30 ppm/C, 1MegaHz 1.0Vrms
Dissipation Factor	0.1% 1 MHz 1.0Vrms
Aging Rate	0% Loss/Decade Hour
Insulation Resistance	100 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.