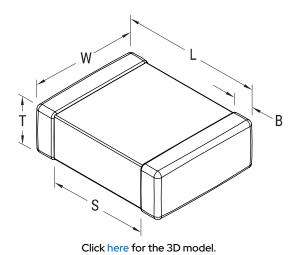


C0402T102J4RACTU

Aliases (C0402T102J4RAC7867) SMD COTS X7R, Ceramic, 1,000 pF, 5%, 16 VDC, X7R, SMD, MLCC, COTS, Temperature Stable, Class II, 0402, 0.3 mm



General Information	
Series	SMD COTS X7R
Style	SMD Chip
Description	SMD, MLCC, COTS, Temperature Stable, Class II
Features	Temperature Stable, Class II
RoHS	Yes
Termination	Tin
Marking	No
Failure Rate	Testing per MIL-PRF-55681 PDA 8%
AEC-Q200	No
Typical Component Weight	1.21 mg
Shelf Life	78 Weeks
MSL	1

1,000 pF

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

Т	0.5mm +/-0.05mm
S	0.3mm MIN
В	0.3mm +/-0.1mm
Packaging Specifications	

	•		
W	0.5mm +/-0.05mm	Tolerance	5%
Т	0.5mm +/-0.05mm	Voltage DC	16 VDC
S	0.3mm MIN	Dielectric Withstanding Voltage	40 VDC
В	0.3mm +/-0.1mm	Temperature Range	-55/+125°C
		Temp. Coefficient	X7R
Packaging Specifications		Capacitance Change with 15%, 1k	15%, 1kHz 1.0Vrms
Packaging T&R, 180mm, Paper Tape Packaging Quantity 10000	Reference to +25°C and 0 VDC Applied (TCC)		
	Dissipation Factor	3.5% 1 kHz 1.0Vrms	
		Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours

Specifications Capacitance

	Measurement Condition	1 kHz 1.0Vrms
	Tolerance	5%
	Voltage DC	16 VDC
	Dielectric Withstanding Voltage	40 VDC
	Temperature Range	-55/+125°C
	Temp. Coefficient	X7R
Таре	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	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.

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