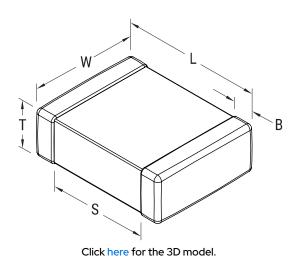


## C0402C180K4RACTU

Aliases (CO402C180K4RAC7867) SMD Comm X7R, Ceramic, 18 pF, 10%, 16 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 0402, 0.3 mm



General Information	
Series	SMD Comm X7R
Style	SMD Chip
Description	SMD, MLCC, Temperature Stable, Class II
Features	Temperature Stable, Class II
RoHS	Yes
Termination	Tin
Marking	No
AEC-Q200	No
Typical Component Weight	1.21 mg
Shelf Life	78 Weeks
MSL	1

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 Quantity

Packaging

	1mm +/-0.05mm	Measurement Condition	1 kHz 1.0Vrms
	0.5mm +/-0.05mm	Tolerance	10%
	0.5mm +/-0.05mm	Voltage DC	16 VDC
	0.3mm MIN	Dielectric Withstanding Voltage	40 VDC
	0.3mm +/-0.1mm	Temperature Range	-55/+125°C
		Temp. Coefficient	X7R
;		Capacitance Change with	15%, 1kHz 1.0Vrms
	T&R, 180mm, Paper Tape	Reference to +25°C and 0 VDC Applied (TCC)	
	10000	Dissipation Factor	3.5% 1 kHz 1.0Vrms

Specifications	
Capacitance	18 pF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	16 VDC
Dielectric Withstanding Voltage	40 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	100 GOhms

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