

KEMET Part Number: C0402C823K8RACTU
(C0402C823K8RAC7867)

SMD Comm X7R, Ceramic, 0.082 uF, 10%, 10 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 0402



Dimensions

Dimensions	
L	1mm +/-0.05mm
W	0.5mm +/-0.05mm
T	0.5mm +/-0.05mm
S	0.3mm MIN
B	0.3mm +/-0.1mm

Packaging Specifications

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

General Information

General Information	
Supplier:	KEMET
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
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 1000 hours
Chip Size:	0402

Specifications

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Capacitance:	0.082 uF
Capacitance Tolerance:	10%
Voltage DC:	10 VDC
Dielectric Withstanding Voltage:	25 V
Temperature Range:	-55/+125C
Temperature Coefficient:	X7R
Dissipation Factor:	5.00% 1kHz 25C
Aging Rate:	3% Loss/Decade Hour
Insulation Resistance:	6.098 GOhms