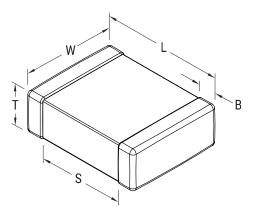
KEMET Part Number: C0603V102KBRACTU

(C0603V102KBRAC7867)



ArcShield SMD Comm X7R HV, Ceramic, 1000 pF, 10%, 630 VDC, X7R, SMD, MLCC, ArcShield, High Voltage, Temperature Stable, 0603



Dimensions		
Chip Size	0603	
L	1.6mm +/-0.15mm	
W	0.8mm +/-0.15mm	
Т	0.8mm +/-0.10mm	
S	0.7mm MIN	
В	0.35mm +/-0.15mm	

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

General Information	
Series:	ArcShield SMD Comm X7R HV
Style:	SMD Chip
Description:	SMD, MLCC, ArcShield, High Voltage, Temperature Stable
Features:	High Voltage, Temperature Stable
RoHS:	Yes
Termination:	Tin
Marking:	No
AEC-Q200:	No
Component Weight:	6500 ug
Miscellaneous:	X7R dielectric is not recommended for AC line filtering or pulse applications.
Shelf Life:	78 Weeks
MSL:	1

Specifications	
Capacitance:	1000 pF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	630 VDC
Dielectric Withstanding Voltage:	945 VDC
Temperature Range:	-55/+125°C
Temperature Coefficient:	X7R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	15%, 1kHz 1.0Vrms
Dissipation Factor:	2.5% 1 kHz 1.0Vrms
Aging Rate:	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance:	10 GOhms

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