

KEMET Part Number: C0603W102KDRACTU
(C0603W102KDRAC7867)



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



Dimensions

Chip Size	0603
L	1.6mm +/-0.17mm
W	0.8mm +/-0.15mm
T	0.8mm +/-0.10mm
S	0.58mm MIN
B	0.45mm +/-0.15mm

Packaging Specifications

Weight:	6500 ug
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
Features:	High Voltage
RoHS:	Yes
Termination:	Flexible Termination
Marking:	No
AEC-Q200:	No
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:	1000 VDC
Dielectric Withstanding Voltage:	1200 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

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.

