

KEMET Part Number: C1206V683KCRACTU
(C1206V683KCRAC7800)

ArcShield SMD Comm X7R HV, Ceramic, 0.068 uF, 10%, 500 VDC, X7R, SMD, MLCC, ArcShield, High Voltage, Temperature Stable, 1206



Dimensions

Chip Size	1206
L	3.2mm +/-0.2mm
W	1.6mm +/-0.2mm
T	1.7mm +/-0.20mm
B	0.5mm +/-0.25mm

Packaging Specifications

Packaging:	T&R, 180mm, Plastic Tape
Packaging Quantity:	2000

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
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 1000 hours. X7R dielectric is not recommended for AC line filtering or pulse applications
Shelf Life:	78 Weeks
MSL:	1

Specifications

Capacitance:	0.068 uF
Capacitance Tolerance:	10%
Voltage DC:	500 VDC
Dielectric Withstanding Voltage:	750 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:	2.50% 1kHz 1.0Vrms
Aging Rate:	3% Loss/Decade Hour
Insulation Resistance:	1.471 GOhms