

KEMET Part Number: C2225W564KCRAC7800
(C2225W564KCRAC7800)



ArcShield SMD Comm X7R HV, Ceramic, 0.56 uF, 10%, 500 VDC, X7R, SMD, MLCC, Arcshield, High Voltage, 2225



Dimensions	
Chip Size	2225
L	5.9mm +/-0.75mm
W	6.4mm +/-0.4mm
T	2.5mm +/-0.20mm
B	0.7mm +/-0.35mm

Packaging Specifications	
Packaging:	T&R, 180mm, Plastic Tape
Packaging Quantity:	500

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
Component Weight:	460 mg
Miscellaneous:	X7R dielectric is not recommended for AC line filtering or pulse applications.
Shelf Life:	78 Weeks
MSL:	1

Specifications	
Capacitance:	0.56 uF
Measurement Condition:	1 kHz 1.0Vrms
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:	2.5% 1 kHz 1.0Vrms
Aging Rate:	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance:	178.6 MOhms

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