

KEMET Part Number: C1825W224KBRAC TU
(C1825W224KBRAC7800)

ArcShield SMD Comm X7R HV, Ceramic, 0.22 uF, 10%, 630 VDC, X7R, SMD, MLCC, Arcshield, High Voltage, 1825



Dimensions

Dimensions	
Chip Size	1825
L	4.6mm +/-0.4mm
W	6.4mm +/-0.4mm
T	2mm +/-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:	310 mg
Miscellaneous:	X7R dielectric is not recommended for AC line filtering or pulse applications.
Shelf Life:	78 Weeks
MSL:	1

Specifications

Capacitance:	0.22 uF
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:	454.5 MOhms