KEMET Part Number: C1812C225K1RACTU

(C1812C225K1RAC7800)



SMD Comm X7R, Ceramic, 2.2 uF, 10%, 100 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 1812



Dimensions	
L	4.5mm +/-0.3mm
W	3.2mm +/-0.3mm
Т	2.5mm +/-0.20mm
В	0.6mm +/-0.35mm

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

General Information	
Series:	SMD Comm X7R
Style:	SMD Chip
Description:	SMD, MLCC, Temperature Stable, Class II
Features:	Temperature Stable, Class II
RoHS:	Yes
Termination:	Tin
Marking:	No
AEC-Q200:	No
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 48 hours
Chip Size:	1812
Shelf Life:	78 Weeks
MSL:	1

Specifications	
Capacitance:	2200000 pF, 1kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	100 VDC
Dielectric Withstanding Voltage:	250 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:	227 MOhms

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.





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