

KEMET Part Number: C1812X105K5RACTU
(C1812X105K5RAC7800)

Ceramic, FlexTerm-(CxxxxX), 1 uF, 10%, 50 V, 1812, X7R, SMD, MLCC, FT-CAP, Temperature Stable



Dimensions

L	4.5mm +/-0.4mm
W	3.2mm +/-0.3mm
T	1.3mm +/-0.10mm
B	0.7mm +/-0.35mm

Packaging Specifications

Packaging:	T&R, 180mm, Plastic Tape
Packaging Quantity:	1000

General Information

Style:	SMD Chip
Series:	FlexTerm-(CxxxxX)
Chip Size:	1812
Description:	SMD, MLCC, FT-CAP, Temperature Stable
Features:	FT-CAP, Temperature Stable
RoHS:	Yes
Termination:	Flexible Termination
Marking:	No
Failure Rate:	N/A
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 1000 hours

Specifications

Capacitance:	1 uF
Capacitance Tolerance:	10%
Voltage DC:	50 VDC
Temperature Range:	-55/+125C
Temperature Coefficient:	X7R
Dissipation Factor:	2.5%
Aging Rate:	3% Loss/Decade Hour
Insulation Resistance:	1 GOhms
Dielectric Strength:	125 V