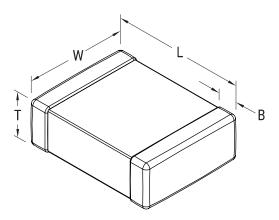
KEMET Part Number: C1812R105K5RACTU

(C1812R105K5RAC7800)



SMD Indust X7R HT175C, Ceramic, 1 uF, 10%, 50 VDC, X7R, SMD, MLCC, High Temperature, FT-Cap, 1812



Dimensions		
Chip Size	1812	
L	4.5mm +/-0.4mm	
W	3.2mm +/-0.3mm	
Т	1.4mm +/-0.15mm	
В	0.7mm +/-0.35mm	

Packaging Specifications		
Weight:	95 mg	
Packaging:	T&R, 180mm, Plastic Tape	
Packaging Quantity:	1000	

General Information		
Series:	SMD Indust X7R HT175C	
Style:	SMD Chip	
Description:	SMD, MLCC, High Temperature, FT-Cap	
Features:	FT-CAP, High Temperature	
RoHS:	Yes	
Termination:	Flexible Termination	
Marking:	No	
AEC-Q200:	No	
Shelf Life:	78 Weeks	
MSL:	1	

Specifications	
Capacitance:	1 uF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	50 VDC
Dielectric Withstanding Voltage:	125 VDC
Temperature Range:	-55/+175°C
Temperature Coefficient:	X7R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	15% (-55C to 125C), 1kHz 1.0Vrms
Dissipation Factor:	2.5% 1 kHz 1.0Vrms
Aging Rate:	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance:	1 GOhms

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