

KEMET Part Number: C1812H224K5GALTU
(C1812H224K5GAL7800)



SMD Indust COG HT200C, Ceramic, 0.22 uF, 10%, 50 VDC, COG, SMD, MLCC, High Temperature, Ultra-Stable, Low Loss, 1812



Dimensions	
Chip Size	1812
L	4.5mm +/-0.3mm
W	3.2mm +/-0.3mm
T	1.6mm +/-0.20mm
B	0.6mm +/-0.35mm

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

General Information	
Series:	SMD Indust COG HT200C
Style:	SMD Chip
Description:	SMD, MLCC, High Temperature, Ultra-Stable, Low Loss
Features:	High Temp, Ultra-Stable, Low Loss
RoHS:	No
Prop 65:	WARNING: Cancer and reproductive harm - www.p65warnings.ca.gov .
SCIP Number:	9e3986f4-2e64-4a5f-b9fd-b9e3c7d21980
Termination:	Lead (SnPb)
Marking:	No
AEC-Q200:	No
Component Weight:	87 mg
Shelf Life:	78 Weeks
MSL:	1

Specifications	
Capacitance:	0.22 uF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	50 VDC
Dielectric Withstanding Voltage:	125 VDC
Temperature Range:	-55/+200°C
Temperature Coefficient:	COG
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	30 ppm/C, 1kHz 1.0Vrms
Dissipation Factor:	0.1% 1 kHz 1.0Vrms
Aging Rate:	0% Loss/Decade Hour
Insulation Resistance:	4.5455 GOhms

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