

C0805X512MATACTU

Aliases (C0805X512MATAC7800)

SMD Comm X8G HT150C Flex, Ceramic, 5,100 pF, 20%, 250 VDC, X8G, SMD, MLCC, High Temperature, Ultra-Stable, 0805, 0.6 mm



Click [here](#) for the 3D model.

General Information

Series	SMD Comm X8G HT150C Flex
Style	SMD Chip
Description	SMD, MLCC, High Temperature, Ultra-Stable
Features	High Temperature, Ultra-Stable
RoHS	Yes
Termination	Flexible Termination
Marking	No
AEC-Q200	No
Typical Component Weight	13 mg
Shelf Life	78 Weeks
MSL	1

Specifications

Capacitance	5,100 pF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	20%
Voltage DC	250 VDC
Dielectric Withstanding Voltage	625 VDC
Temperature Range	-55/+150°C
Temp. Coefficient	X8G
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: Referee Time is 1000 Hours
Insulation Resistance	100 GOhms

Dimensions

Chip Size	0805
L	2mm +/-0.3mm
W	1.25mm +/-0.3mm
T	0.9mm +/-0.10mm
S	0.6mm MIN
B	0.5mm +/-0.25mm

Packaging Specifications

Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	4000

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