

C0603C102K5HACTU

Aliases (C0603C102K5HAC7867)

SMD Comm X8R HT150C, Ceramic, 1,000 pF, 10%, 50 VDC, X8R, SMD, MLCC, High Temperature, Ultra-Stable, 0.5 mm, 0603 / 1608



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

General Information

Series	SMD Comm X8R HT150C
Style	SMD Chip
Description	SMD, MLCC, High Temperature, Ultra-Stable
Features	High Temperature, Ultra-Stable
RoHS	Yes
Termination	Tin
Marking	No
Typical Component Weight	4.8 mg
Shelf Life	78 Weeks
MSL	1

Specifications

Capacitance	1,000 pF
Measurement Condition	1 MHz 1.0Vrms
Tolerance	10%
Voltage DC	50 VDC
Dielectric Withstanding Voltage	125 VDC
Temperature Range	-55/+150°C
Temp. Coefficient	X8R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	15%, 1MHz 1.0Vrms
Dissipation Factor	2.5% 1 MHz 1.0Vrms
Aging Rate	0% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	100 GOhms

Dimensions

L	1.6mm +/-0.15mm
W	0.8mm +/-0.15mm
T	0.8mm +/-0.07mm
S	0.5mm MIN
B	0.35mm +/-0.15mm
Case Code (EIA / mm)	0603 / 1608

Packaging Specifications

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

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