

**KEMET Part Number: C0603C102J5HACTU**  
(C0603C102J5HAC7867)

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SMD Comm X8R HT150C, Ceramic, 1000 pF, 5%, 50 VDC, X8R, SMD, MLCC, High Temperature, Ultra-Stable, 0603



#### Dimensions

Chip Size	0603
L	1.6mm +/-0.15mm
W	0.8mm +/-0.15mm
T	0.8mm +/-0.07mm
S	0.7mm MIN
B	0.35mm +/-0.15mm

#### Packaging Specifications

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

#### 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
AEC-Q200:	No
Component Weight:	4800 ug
Shelf Life:	78 Weeks
MSL:	1

#### Specifications

Capacitance:	1000 pF
Measurement Condition:	1 MHz 1.0Vrms
Capacitance Tolerance:	5%
Voltage DC:	50 VDC
Dielectric Withstanding Voltage:	125 VDC
Temperature Range:	-55/+150°C
Temperature 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

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