

## C0805X103K1HACTU

Aliases (C0805X103K1HAC7800)

SMD Comm X8R HT150C Flex, Ceramic, 0.01 uF, 10%, 100 VDC, X8R, SMD, MLCC, High Temperature, Ultra-Stable, 0805, 0.6 mm



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

### General Information

Series	SMD Comm X8R HT150C Flex
Style	SMD Chip
Description	SMD, MLCC, High Temperature, Ultra-Stable
Features	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	0.01 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	100 VDC
Dielectric Withstanding Voltage	250 VDC
Temperature Range	-55/+150°C
Temp. Coefficient	X8R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	15%, 1kHz 1.0Vrms
Dissipation Factor	2.5% 1kHz 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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