

## C1812X105K5RACTU

Aliases (C1812X105K5RAC7800)

SMD Comm X7R Flex, Ceramic, 1 uF, 10%, 50 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, 2.3 mm, 1812 / 4532



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

### General Information

Series	SMD Comm X7R Flex
Style	SMD Chip
Description	SMD, MLCC, FT-CAP, Temperature Stable
Features	FT-CAP, Temperature Stable
RoHS	Yes
Termination	Flexible Termination
Marking	No
Typical Component Weight	95 mg
Shelf Life	78 Weeks
MSL	1

### Specifications

Capacitance	1 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	50 VDC
Dielectric Withstanding Voltage	125 VDC
Temperature Range	-55/+125°C
Temp. Coefficient	X7R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	15%, 1kHz 1.0Vrms
Dissipation Factor	2.5% 1 kHz 1.0Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	1 GOhms

### Dimensions

L	4.5mm +/-0.4mm
W	3.2mm +/-0.3mm
T	1.3mm +/-0.10mm
S	2.3mm MIN
B	0.7mm +/-0.35mm
Case Code (EIA / mm)	1812 / 4532

### Packaging Specifications

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

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