

## C1808C103MFRACTU

Aliases (C1808C103MFRAC7800)

SMD Comm X7R HV, Ceramic, 0.01 uF, 20%, 1,500 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 1808, 2.9 mm



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

General Information	
Series	SMD Comm X7R HV
Style	SMD Chip
Description	SMD, MLCC, High Voltage, Temperature Stable
Features	High Voltage
RoHS	Yes
Termination	Tin
Marking	No
AEC-Q200	No
Typical Component Weight	100 mg
Shelf Life	78 Weeks
MSL	1

Dimensions	
Chip Size	1808
L	4.7mm +/-0.5mm
W	2mm +/-0.2mm
T	2mm +/-0.15mm
S	2.9mm MIN
B	0.6mm +/-0.35mm

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

Specifications	
Capacitance	0.01 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	20%
Voltage DC	1500 VDC
Dielectric Withstanding Voltage	1,800 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	100 GOhms

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