

C1808C823M5RACTU

Aliases (C1808C823M5RAC7800)

SMD Comm X7R, Ceramic, 0.082 uF, 20%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 1808, 2.9 mm



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

General Information

Series	SMD Comm X7R
Style	SMD Chip
Description	SMD, MLCC, Temperature Stable, Class II
Features	Temperature Stable, Class II
RoHS	Yes
Termination	Tin
Marking	No
AEC-Q200	No
Typical Component Weight	41 mg
Shelf Life	78 Weeks
MSL	1

Specifications

Capacitance	0.082 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	20%
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	12.1951 GOhms

Dimensions

Chip Size	1808
L	4.7mm +/-0.5mm
W	2mm +/-0.2mm
T	0.9mm +/-0.10mm
S	2.9mm MIN
B	0.6mm +/-0.35mm

Packaging Specifications

Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	2500

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