

C0805S103MIRACTU

Aliases (C0805S103MIRAC7800)

SMD Comm X7R FE, Ceramic, 0.01 uF, 20%, 100 VDC, X7R, SMD, MLCC, FE-CAP, Floating Electrode, Temperature Stable, 0805



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

General Information

Series	SMD Comm X7R FE
Style	SMD Chip
Description	SMD, MLCC, FE-CAP, Floating Electrode, Temperature Stable
Features	FE-CAP, Floating Electrode, Temperature Stable
RoHS	Yes
Termination	Tin
Marking	No
AEC-Q200	No
Component Weight	11 mg
Shelf Life	78 Weeks
MSL	1

Dimensions

Chip Size	0805
L	2mm +/-0.2mm
W	1.25mm +/-0.2mm
T	0.78mm +/-0.10mm
S	0.75mm MIN
B	0.5mm +/-0.25mm

Packaging Specifications

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

Specifications

Capacitance	0.01 uF
Measurement Condition	1 kHz 1.0Vrms
Capacitance Tolerance	20%
Voltage DC	100 VDC
Dielectric Withstanding Voltage	250 VDC
Temperature Range	-55/+125°C
Temperature Coefficient	X7R
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	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	100 GOhms