

## C0805X101KCRCTU

Aliases (C0805X101KCRAC7800)

SMD Comm X7R HV Flex, Ceramic, 100 pF, 10%, 500 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, 0.6 mm, 0805 / 2012



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

### General Information

Series	SMD Comm X7R HV 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	21 mg
Shelf Life	78 Weeks
MSL	1

### Dimensions

L	2mm +/-0.3mm
W	1.25mm +/-0.3mm
T	1.25mm +/-0.15mm
S	0.6mm MIN
B	0.5mm +/-0.25mm
Case Code (EIA / mm)	0805 / 2012

### Packaging Specifications

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

### Specifications

Capacitance	100 pF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	500 VDC
Dielectric Withstanding Voltage	750 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

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.