

**KEMET Part Number: C0805C102K1RECTU**  
(C0805C102K1REC7800)

ESD SMD Comm X7R, Ceramic, Electro Static Discharge, 1000 pF, 10%, 100 VDC, X7R, SMD, MLCC, Temperature Stable, Electro Static Discharge, Class II, 0805



Dimensions	
<b>L</b>	2mm +/-0.2mm
<b>W</b>	1.25mm +/-0.2mm
<b>T</b>	0.78mm +/-0.10mm
<b>S</b>	0.75mm MIN
<b>B</b>	0.5mm +/-0.25mm

Packaging Specifications	
<b>Packaging:</b>	T&R, 180mm, Paper Tape
<b>Packaging Quantity:</b>	4000

General Information	
<b>Supplier:</b>	KEMET
<b>Series:</b>	ESD SMD Comm X7R
<b>Style:</b>	SMD Chip
<b>Description:</b>	SMD, MLCC, Temperature Stable, Electro Static Discharge, Class II
<b>Features:</b>	Temperature Stable, Class II
<b>RoHS:</b>	Yes
<b>Termination:</b>	Tin
<b>Marking:</b>	No
<b>Miscellaneous:</b>	Note: Referee time for X7R dielectric for this part number is 1000 hours
<b>Chip Size:</b>	0805

Specifications	
<b>Capacitance:</b>	1000 pF
<b>Capacitance Tolerance:</b>	10%
<b>Voltage DC:</b>	100 VDC
<b>ESD Level per AEC-Q200:</b>	12,000 V ESD Level
<b>Dielectric Withstanding Voltage:</b>	250 V
<b>Temperature Range:</b>	-55/+125C
<b>Temperature Coefficient:</b>	X7R
<b>Dissipation Factor:</b>	2.50% 1kHz 25C
<b>Aging Rate:</b>	3% Loss/Decade Hour
<b>Insulation Resistance:</b>	100 GOhms