

**KEMET Part Number: C0603C102K5RACTU**  
(C0603C102K5RAC7867, C0603C102K5RACTR)



Ceramic, KEMET, Commercial-(CxxxxC), 1000 pF, 10%, 50 V, 0603, X7R, SMD, MLCC, Temperature Stable, Class II



#### Dimensions

L	1.6mm +/-0.15mm
W	0.8mm +/-0.15mm
T	0.8mm +/-0.07mm
S	0.7mm MIN
B	0.35mm +/-0.15mm

#### Packaging Specifications

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

#### General Information

Style:	SMD Chip
Supplier:	KEMET
Series:	Commercial-(CxxxxC)
Chip Size:	0603
Description:	SMD, MLCC, Temperature Stable, Class II
RoHS:	Yes
Termination:	Tin
Marking:	No
Failure Rate:	N/A
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 48 hours

#### Specifications

Capacitance:	1000 pF
Capacitance Tolerance:	10%
Voltage DC:	50 VDC
Temperature Range:	-55/+125C
Temperature Coefficient:	X7R
Dissipation Factor:	2.5%
Aging Rate:	3% Loss/Decade Hour
Insulation Resistance:	100 GOhms
Dielectric Strength:	125 V

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