

**KEMET Part Number: C0603C105K8RACTU**  
(C0603C105K8RAC7867)

Capacitor, Ceramic, SMD, MLCC, Temperature Stable, Class II, 1 uF, +/-10% Tol, 10 V, X7R, 0603 (1608 metric)



General Information	
Supplier:	KEMET
Application:	Standard Chip
Chip Size:	0603 (1608 metric)
Temperature Coefficient:	X7R
Part Type Description:	SMD, MLCC, Temperature Stable, Class II
Termination Type:	Tin (Sn)
Marked:	No
RoHS:	Yes

Dimensions (mm)		
Symbol	Dimension	Tolerance
L	1.6	+/-0.15
W	0.8	+/-0.15
T	0.8	+/-0.10
B	0.35	+/-0.15
S	0.7	MIN

Specifications	
Capacitance:	1 uF
Voltage:	10 V
Tolerance:	+/-10%
Temperature Range:	-55/+125C
Dissipation Factor:	10%
Failure Rate:	N/A
Aging Rate:	3% loss/decade hour
Insulation Resistance:	500 MOhm
Dielectric Strength:	25 V
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 48 hours

Packaging Specifications	
Package Kind:	T&R
Package Size:	7 in/180 mm
Package Type:	Paper Tape
Package Quantity:	4000