

**KEMET Part Number: C1825C105K5RACTU**  
(C1825C105K5RAC7800)

Capacitor, Ceramic, SMD, MLCC, Temperature Stable, Class II, 1 uF, +/-10% Tol, 50 V, X7R, 1825



General Information	
Supplier:	KEMET
Application:	Standard Chip
Chip Size:	1825
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	4.5	+/-0.3
W	6.4	+/-0.4
T	1.1	+/-0.15
B	0.6	+/-0.35

Specifications	
Capacitance:	1 uF
Voltage:	50 V
Tolerance:	+/-10%
Temperature Range:	-55/+125C
Dissipation Factor:	2.5%
Failure Rate:	N/A
Aging Rate:	3% loss/decade hour
Insulation Resistance:	1 GOhm
Dielectric Strength:	125 V
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 1000 hours

Packaging Specifications	
Package Kind:	T&R
Package Size:	7 in/180 mm
Package Type:	Plastic Tape
Package Quantity:	1000