

**KEMET Part Number: C0603W102KCRAC7867**  
(C0603W102KCRAC7867)

Capacitor, Ceramic, SMD, MLCC, Arcshield, High Voltage, 1000 pF, +/-10% Tol, 500 V, X7R, 0603 (1608 metric)



General Information	
Supplier:	KEMET
Application:	Arc Shield
Chip Size:	0603 (1608 metric)
Temperature Coefficient:	X7R
Part Type Description:	SMD, MLCC, Arcshield, High Voltage
Termination Type:	Flexible Termination
Marked:	No
RoHS:	Yes

Dimensions (mm)		
Symbol	Dimension	Tolerance
L	1.6	+/-0.17
W	0.8	+/-0.15
T	0.8	+/-0.10
B	0.45	+/-0.15
S	0.58	MIN

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

Specifications	
Capacitance:	1000 pF
Voltage:	500 V
Tolerance:	+/-10%
Temperature Range:	-55/+125C
Dissipation Factor:	2.5%
Failure Rate:	N/A
Aging Rate:	3% loss/decade hour
Insulation Resistance:	10 GOhm
Dielectric Strength:	750 V
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 1000 hours
Miscellaneous:	X7R dielectric is not recommended for AC line filtering or pulse applications