

**KEMET Part Number: C1812C103KGRAC7800**  
(C1812C103KGRAC7800)



Capacitor, Ceramic, SMD, MLCC, High Voltage, Temperature Stable, 0.01 uF, +/-10% Tol, 2000 V, X7R, 1812 (4532 metric)



#### General Information

<b>Supplier:</b>	KEMET
<b>Application:</b>	Standard Chip
<b>Chip Size:</b>	1812 (4532 metric)
<b>Temperature Coefficient:</b>	X7R
<b>Part Type Description:</b>	SMD, MLCC, High Voltage, Temperature Stable
<b>Termination Type:</b>	Tin (Sn)
<b>Marked:</b>	No
<b>RoHS:</b>	Yes

#### Dimensions (mm)

Symbol	Dimension	Tolerance
<b>L</b>	4.5	+/-0.3
<b>W</b>	3.2	+/-0.3
<b>T</b>	2.5	+/-0.20
<b>B</b>	0.6	+/-0.35

#### Packaging Specifications

<b>Package Kind:</b>	T&R
<b>Package Size:</b>	7 in/180 mm
<b>Package Type:</b>	Plastic Tape
<b>Package Quantity:</b>	500

#### Specifications

<b>Capacitance:</b>	0.01 uF
<b>Voltage:</b>	2000 V
<b>Tolerance:</b>	+/-10%
<b>Temperature Range:</b>	-55/+125C
<b>Dissipation Factor:</b>	2.5%
<b>Failure Rate:</b>	N/A
<b>Aging Rate:</b>	3% loss/decade hour
<b>Insulation Resistance:</b>	100 GOhm
<b>Dielectric Strength:</b>	2400 V
<b>Miscellaneous:</b>	Note: Referee time for X7R dielectric for this part number is 1000 hours

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