

**KEMET Part Number: C1825C274KBRACU**  
(C1825C274KBRAC7800)

Capacitor, Ceramic, SMD, MLCC, High Voltage, Temperature Stable, 0.27 uF, +/-10% Tol, 630 V, X7R, 1825



**General Information**

<b>Supplier:</b>	KEMET
<b>Application:</b>	Standard Chip
<b>Chip Size:</b>	1825
<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>	6.4	+/-0.4
<b>T</b>	2	+/-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>	0.27 uF
<b>Voltage:</b>	630 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>	3.7 GOhm
<b>Dielectric Strength:</b>	945 V
<b>Miscellaneous:</b>	Note: Referee time for X7R dielectric for this part number is 1000 hours