

**KEMET Part Number: C0805R274K5RACTU**  
(C0805R274K5RAC7800)

SMD Indust X7R HT175C, Ceramic, 0.27 uF, 10%, 50 VDC, X7R, SMD, MLCC, High Temperature, FT-Cap, 0805



**Dimensions**

Dimensions	
Chip Size	0805
L	2mm +/-0.3mm
W	1.25mm +/-0.3mm
T	1.25mm +/-0.15mm
S	0.75mm MIN
B	0.5mm +/-0.25mm

**Packaging Specifications**

Weight:	21 mg
Packaging:	T&R, 180mm, Plastic Tape
Packaging Quantity:	2500

**General Information**

Series:	SMD Indust X7R HT175C
Style:	SMD Chip
Description:	SMD, MLCC, High Temperature, FT-Cap
Features:	FT-CAP, High Temperature
RoHS:	Yes
Termination:	Flexible Termination
Marking:	No
AEC-Q200:	No
Shelf Life:	78 Weeks
MSL:	1

**Specifications**

Capacitance:	0.27 uF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	50 VDC
Dielectric Withstanding Voltage:	125 VDC
Temperature Range:	-55/+175°C
Temperature Coefficient:	X7R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	15% (-55C to 125C), 1kHz 1.0Vrms
Dissipation Factor:	2.5% 1 kHz 1.0Vrms
Aging Rate:	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance:	1.8519 GOhms