

**KEMET Part Number: C1812C273KFRACTU**  
(C1812C273KFRAC7800)

**KEMET**

a YAGEO company

SMD Comm X7R HV, Ceramic, 0.027 uF, 10%, 1500 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 1812



**Dimensions**

Chip Size	1812
L	4.5mm +/-0.3mm
W	3.2mm +/-0.3mm
T	2.5mm +/-0.20mm
B	0.6mm +/-0.35mm

**Packaging Specifications**

Weight:	185 mg
Packaging:	T&R, 180mm, Plastic Tape
Packaging Quantity:	500

**General Information**

Series:	SMD Comm X7R HV
Style:	SMD Chip
Description:	SMD, MLCC, High Voltage, Temperature Stable
Features:	High Voltage
RoHS:	Yes
Termination:	Tin
Marking:	No
AEC-Q200:	No
Shelf Life:	78 Weeks
MSL:	1

**Specifications**

Capacitance:	0.027 uF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	1500 VDC
Dielectric Withstanding Voltage:	1800 VDC
Temperature Range:	-55/+125°C
Temperature Coefficient:	X7R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	15%, 1kHz 1.0Vrms
Dissipation Factor:	2.5% 1 kHz 1.0Vrms
Aging Rate:	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance:	3.7037 GOhms

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