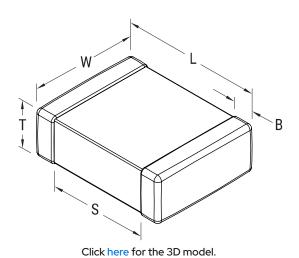


C1825C103KGRACTU

Aliases (C1825C103KGRAC7800)

SMD Comm X7R HV, Ceramic, 0.01 uF, 10%, 2,000 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 1825, 2.3 mm



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
Typical Component Weight	310 mg
Shelf Life	78 Weeks
MSL	1

Dimensions	
Chip Size	1825
L	4.5mm +/-0.3mm
W	6.4mm +/-0.4mm
Т	2mm +/-0.20mm
S	2.3mm MIN
В	0.6mm +/-0.35mm

Packagin Packaging

	4.5mm +/-0.3mm	Measurement Condition	1 kHz 1.0Vrms
	6.4mm +/-0.4mm	Tolerance	10%
	2mm +/-0.20mm	Voltage DC	2000 VDC
	2.3mm MIN	Dielectric Withstanding Voltage	2,400 VDC
	0.6mm +/-0.35mm	Temperature Range	-55/+125°C
		Temp. Coefficient	X7R
ng Specifications		Capacitance Change with	15%, 1kHz 1.0Vrms
ng	T&R, 180mm, Plastic Tape	Reference to +25°C and 0 VDC Applied (TCC)	
ng Quantity	500	Dissipation Factor	2 5% 1kHz 1 0 Vrms

Specifications

Capacitance	0.01 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	2000 VDC
Dielectric Withstanding Voltage	2,400 VDC
Temperature Range	-55/+125°C
Temp. Coefficient	X7R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	15%, 1kHz 1.0Vrms
Dissipation Factor	2.5% 1 kHz 1.0 Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	100 GOhms

i ackaging	rait, ioomin, riastic rape	Applied (TCC)
Packaging Quantity	500	Dissipation Fac
		Aging Rate

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

Generated 08/26/2025 © 2006 - 2025 YAGEO