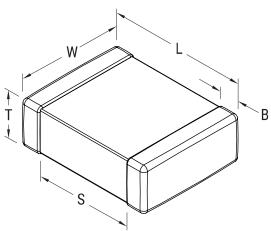


## C0603G104K5RACT500

SMD Indust X7R HT175C, Ceramic, 0.1 uF, 10%, 50 VDC, X7R, SMD, MLCC, High Temperature, Class II, 0603, 0.5 mm





W	Series	SMD Indust X7R HT175C
	Style	SMD Chip
	Description	SMD, MLCC, High Temperature, Class II
В	Features	High Temperature, Class II
	RoHS	Yes
S Click here for the 3D model.	Termination	Tin
	Marking	No
	AEC-Q200	No
	Typical Component Weight	4.8 mg
	Shelf Life	78 Weeks
	MSL	1

**General Information** 

Dimensions	
Chip Size	0603
L	1.6mm +/-0.15mm
W	0.8mm +/-0.15mm
T	0.8mm +/-0.07mm
S	0.5mm MIN
В	0.35mm +/-0.15mm

Packaging Specifications	
Packaging	Cut Reel
Packaging Quantity	500

Specifications	
Capacitance	0.1 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	50 VDC
Dielectric Withstanding Voltage	125 VDC
Temperature Range	-55/+175°C
Temp. 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 1.0 Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	5 GOhms

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.

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