

**General Information** 

Series

Style

Description

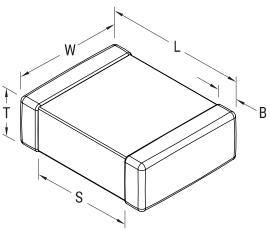
SMD Indust X7R HT175C, Ceramic, 0.1 uF, 10%, 50 VDC, X7R, SMD, MLCC, High Temperature, FT-CAP, 0603, 0.4 mm

SMD Indust X7R HT175C

SMD, MLCC, High Temperature,

SMD Chip





Click here for the 3D model.			
	B	Features	FT-CAP, High Temperature
		RoHS	Yes
		Termination	Flexible Termination
		Marking	No
	S	AEC-Q200	No
		Typical Component Weight	4.8 mg
	Click here for the 3D model.	Shelf Life	78 Weeks
		MSL	1
imensions		Specifications	
hip Size	0603	Capacitance	0.1 uF

Dimensions			
Chip Size	0603		
L	1.6mm +/-0.17mm		
W	0.8mm +/-0.15mm		
Т	0.8mm +/-0.07mm		
S	0.4mm MIN		
В	0.45mm +/-0.15mm		

Packaging Specifications		
Packaging	Cut Reel	
Packaging Quantity	250	

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 1.0Vrms			
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.

Generated 09/09/2025 © 2006 - 2025 YAGEO