

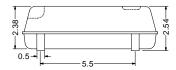
BQD series Quartz CRYSTALS



AT-CUT CRYSTAL, SMD Style Holder

- Surface mount molded high temperature thermoplastic holder
- Frequency Tolerance of ±20 or ±50ppm
- Bulk or Tape & Reel (1000pcs./reel)

ELECTRICAL / MECHANICAL SPECIFICATIONS				
Frequency		32.768 kHz	20 ~ 165 kHz	
Temperature Range	Operating	-40°C to +85°C		
	Storage	-55°C to +125°C		
Frequency Tolerance @25°C		±20(STD), ±50ppm	±50, ±100ppm	
Aging @25°C		±3ppm/year max.	±5ppm/year max.	
Load Capacitance		12pF, 20pF		
Drive Level		1.0mW max.		
Shunt Capacitance		0.9pF typ.	2.0pF ~ 0.6pf	
Reflow Soldering Condition		2x @+260°C in<10 Sec		
Resonance Mode		Fundamental		
Equivalent Series Resistance		50k Ω max.	55kΩ ~ 10kΩ	
Peak Temperature (frequency)		25°C ±5°C		
Temperature Coefficient (frequency)		-0.04ppm/°C2 max.		
Motional Capacitance		1.8pF typ.	4.0fF ~ 0.6fF	
Insulation Resistance		500M Ω min.		
Shock Resistance		±5ppm max.		



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#4	#30 -1
	3.2
—#1	#2



