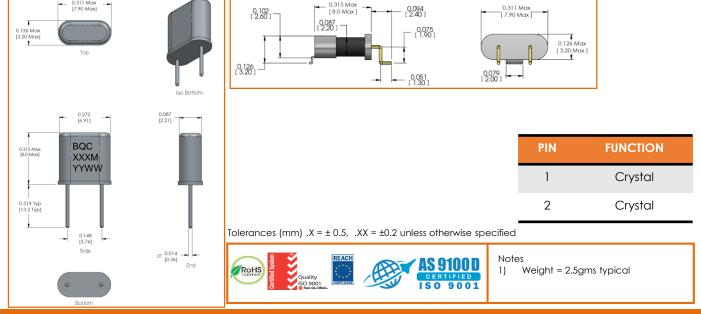
blile BQCTU-XXXMX-XXXXXB – UM1 Crystals technologies FEATURES V Wide Frequency Range UM1 Package High Stability Over Temp Crystals #blileytakesyoufurther Part Number Configuration BQCTU -Μ B Center Frequency Operating Setting Load Frequency Mode <u>Stability</u> Temperature Tolerance Capacitance Pin Out 10 MHz to F: Fund B: ±50ppm A: 2-Pin B: -20°C to +70°C B: ±10ppm A: 8pF 100 MHz 3: 3rd OT D: ±20ppm F: 18pF G: Gull Wing C: -40°C to +85°C D: ±20ppm G: ±10ppm H: -10°C to +60°C G: 20pF F: ±50ppm *Not all combinations of options may be possible S: Specify S: Specify **Other options may be available **Physical Specifications** _ 0.315 Max [8.0 Max] 0.311 Max [7.90 Max] 0.094



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Performance Specifications

Parameter	Conditions	Min	Max	Unit
Frequency Range	Fundamental	10	40	MHz
	3 rd Overtone	40	100	MHz
Frequency Tolerance	@ + 25°C		±100 Max (see options)	ppm
Frequency Stability			±100 Max (see options)	ppm
Aging	1 st Year		±5.0	ppm
Equivalent Series Resistance (max)	Dependent on Frequency and Mode	25	50	Ω
Insulative Resistance	Min @ 100Vdc ±15Vdc	500		MΩ
Drive Level	Typical	100		μW
C0 (Shunt Capacitance)	Max (typical)	1.0	7.0	рF
CL (Load Capacitance)	Per Option (typical)	6-20 (see options)		рF
DLD	50nW to 100µW	±10 Max		ppm
RLD	50nW to 100µW	20% Max		Ω
Operating Temp Range	See Options	-20 to +70 / -40 to +85 / -10 to +60		°C
Storage Temp Range		-45 to +125		°C
Sealing Method		Resistance Weld		
Moisture Sensitivity Level	1			

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