BQCT3-XXXMX-XXXXXB – UM5 Crystals

bliley technologies

FEATURES

✓ Wide Frequency Range
✓ UM5 Package
✓ High Stability Over Temp

Crystals

#blileytakesyoufurther

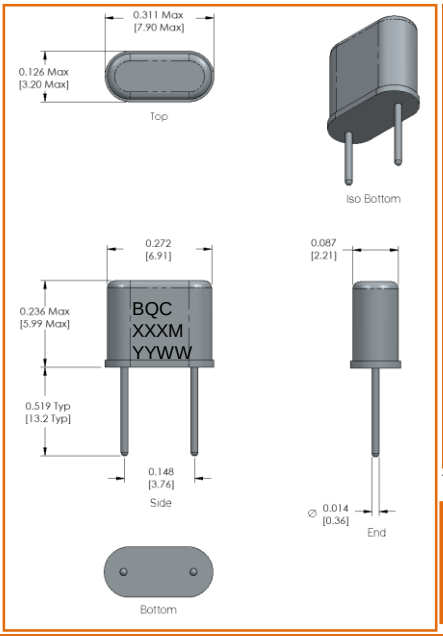
Part Number Configuration

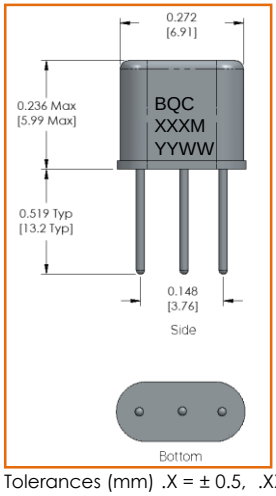
BQCT3 – ____M__ – _ _ _ _ _B

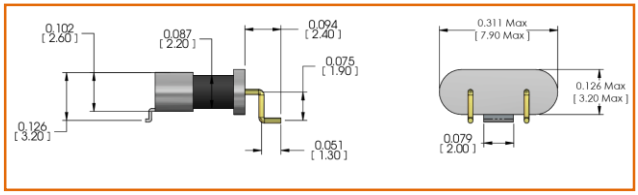
Center Frequency	Mode	Frequency Stability	Operating Temperature	Setting Tolerance	Load Capacitance	Pin Out
10 MHz to 100 MHz	F: Fund 3: 3rd OT	B: ±50ppm D: ±20ppm G: ±10ppm	B: -20°C to +70°C C: -40°C to +85°C H: -10°C to +60°C	B: ±10ppm D: ±20ppm F: ±50ppm S: Specify	A: 8pF F: 18pF G: 20pF S: Specify	A: 2-Pin B: 3-Pin G: Gull Wing

*Not all combinations of options may be possible
**Other options may be available

Physical Specifications







PIN	FUNCTION
1	Crystal
2/DNP	Ground
3	Crystal

Tolerances (mm) .X = ± 0.5, .XX = ±0.2 unless otherwise specified

RoHS COMPLIANT · Certified System Quality ISO 9001 SAI GLOBAL · REACH COMPLIANCE · AS 9100D CERTIFIED ISO 9001

Notes
1) Weight = 2.5gms typical

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Performance Specifications

Parameter	Conditions	Min	Max	Unit
Frequency Range	Fundamental	10	40	MHz
	3rd Overtone	40	100	MHz
Frequency Tolerance	@ + 25°C		±100 Max (see options)	ppm
Frequency Stability			±100 Max (see options)	ppm
Aging	1st 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	pF
CL (Load Capacitance)	Per Option (typical)	6-20 (see options)		pF
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			