

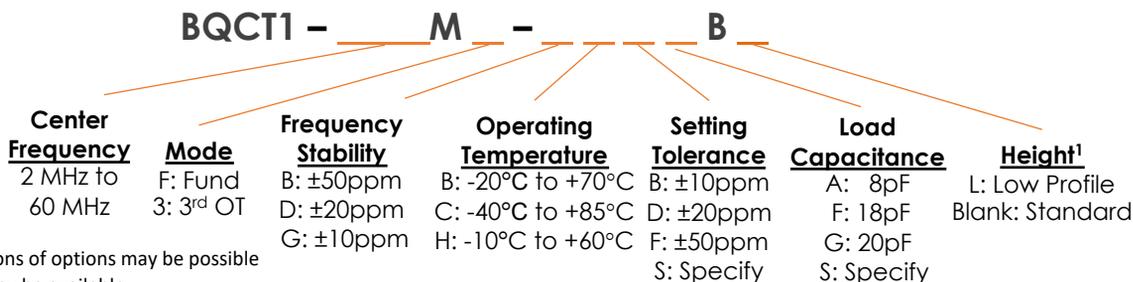
FEATURES

- ✓ HC-37/U Package
- ✓ High Stability Over Temp

Crystals

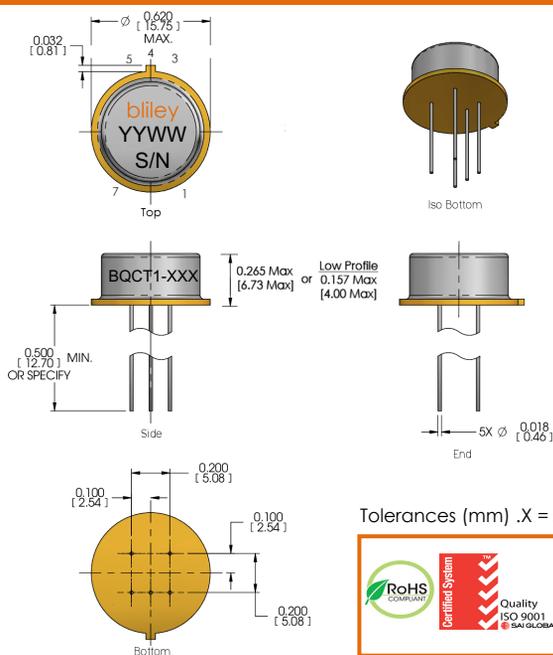
#blileytakesyoufurther

Part Number Configuration



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

Physical Specifications



Full part number marked around side of crystal:
 BQCT1-XXXMX-XXXXBX

PIN	FUNCTION
1	Crystal
3	N.C.
4	Ground
5	Crystal
7	N.C.

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

Notes:

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Performance Specifications

Parameter	Conditions	Min	Max	Unit
Frequency Range	Fundamental	2	20	MHz
	3 rd Overtone	8	60	MHz
Frequency Tolerance	@ + 25°C		±100 Max (see options)	ppm
Frequency Stability			±100 Max (see options)	ppm
Aging	1 st Year		±3.0	ppm
Equivalent Series Resistance (max)	Dependent on Frequency and Mode		50	Ω
Insulative Resistance	Min @ 100Vdc ±15Vdc	500		MΩ
Drive Level	Typical	100		μW
C0 (Shunt Capacitance)	Max		7.0	pF
CL (Load Capacitance)	Per Option (typical)	6-20 (see options)		pF
DLD	50nW to 100μW	±5 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		Cold Weld		
Moisture Sensitivity Level	1			