

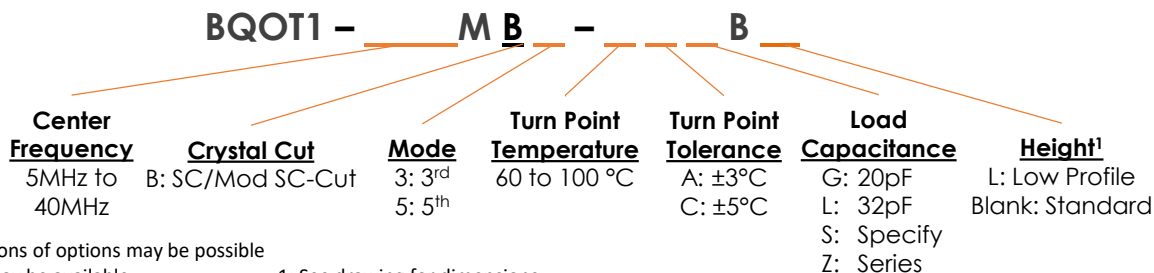
FEATURES

- ✓ HC-37/U Package
- ✓ Ultra High Stability

Crystals for Oven Controlled Circuits

#blileytakesyoufurther

Part Number Configuration

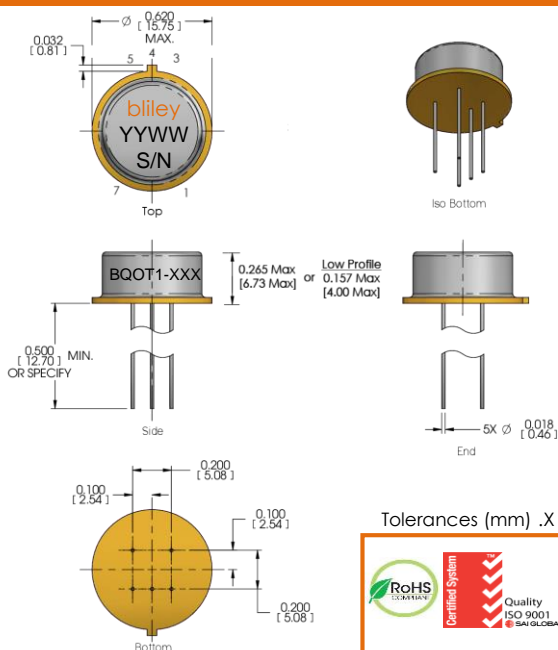


*Not all combinations of options may be possible

**Other options may be available

1: See drawing for dimensions

Physical Specifications



Full part number marked around side of crystal:
BQOT1-XXXMBX-XXXBX

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	3 rd	5 th	Unit
Frequency Range		5-40	10-40	MHz
Turning Point				
Frequency Tolerance		±1.5	±0.5	ppm
Temperature		+60 to +100		°C
Temp Tolerance		(See Options)		°C
Aging	Max per year	±50		ppb
Equivalent Series Resistance	Max	120	160	Ω
Insulative Resistance		500		MΩ
Drive Level	(typical)	100		mW
C0 (Shunt Capacitance)	Max	5	5	pF
C1 (Motional Capacitance)	(typical)	0.15	0.06	fF
CL (Load Capacitance)		(See Options)		pF
DLD	50nW to 100μW	±1 Max		ppm
RLD	50nW to 100μW	15% Max		Ω
Storage Temp Range		-55 to +125		°C
Sealing Method		Cold Weld		
Vibration	MIL-STD-202, Method 214, Test Condition C			
Shock	MIL-STD-202, Method 213, Test Condition C			