

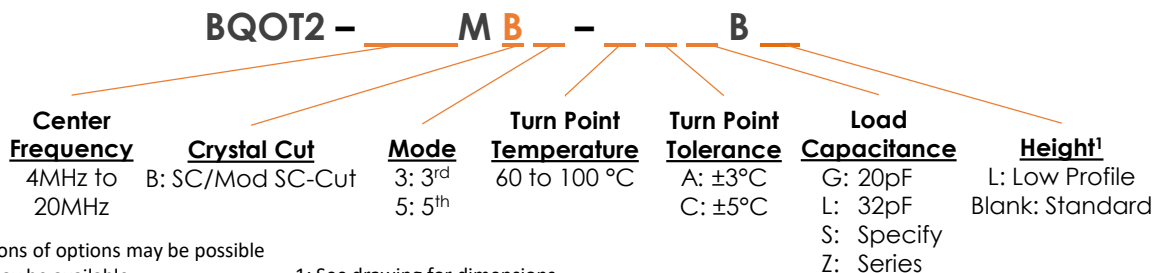
**FEATURES**

- ✓ HC-40/U Package
- ✓ Ultra High Stability

Crystals for Oven Controlled Circuits

#blileytakesyoufurther

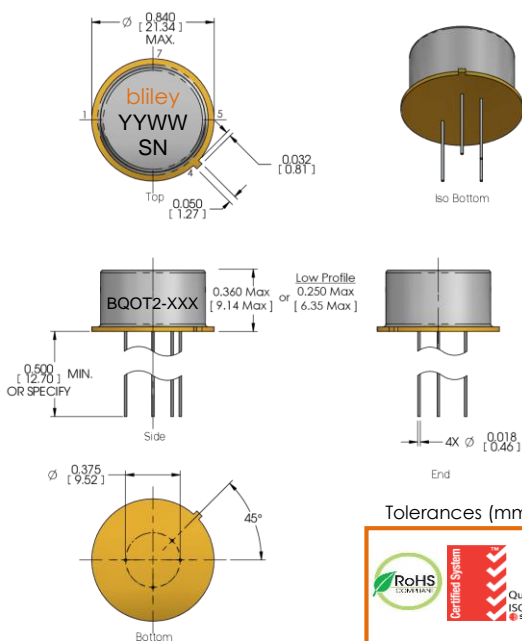
**Part Number Configuration**



\*Not all combinations of options may be possible

\*\*Other options may be available

**Physical Specifications**



Full part number marked around side of crystal:  
BQOT2-XXXMXX-XXXB

PIN	FUNCTION
1	Crystal
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 <sup>rd</sup>	5 <sup>th</sup>	Unit
Frequency Range		4-20	5-10	MHz
Turning Point				
Frequency Tolerance		±1.5	±0.5	ppm
Temperature		+60 to +100		°C
Temp Tolerance		(See Options)		°C
Aging	Max per year		±20	ppb
Equivalent Series Resistance	Max	120	350	Ω
Insulative Resistance			500	MΩ
Drive Level	(typical)		100	mW
C0 (Shunt Capacitance)	Max	5	5	pF
C1 (Motional Capacitance)	(typical)	0.15	0.05	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			