



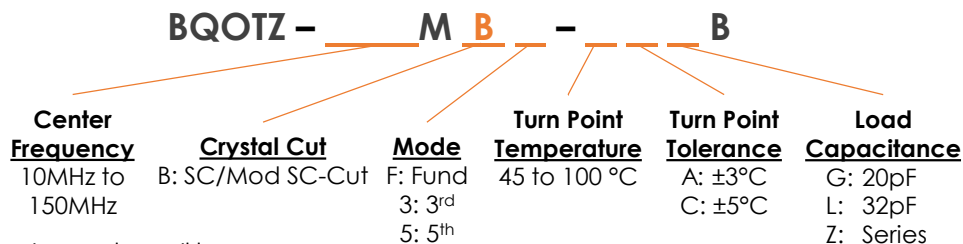
**FEATURES**

- ✓ 2.5 x 10<sup>6</sup> Average Q
- ✓ HC-45/U Package
- ✓ Ultra High Stability

Crystals for Oven Controlled Circuits

#blileytakesyoufurther

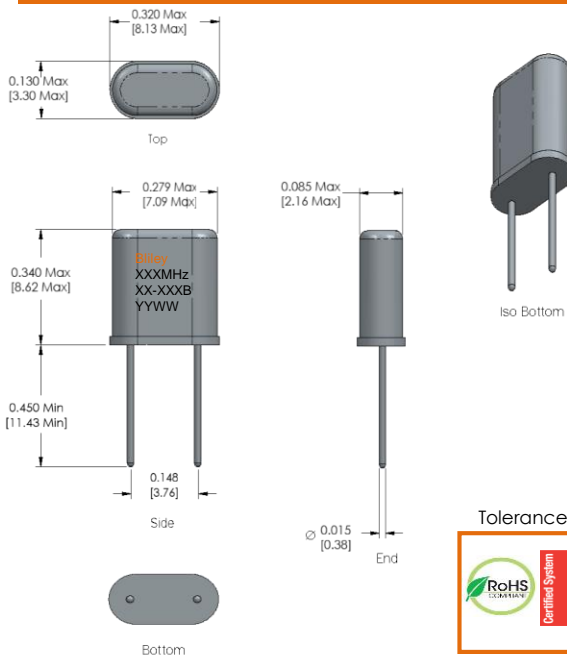
**Part Number Configuration**



\*Not all combinations of options may be possible

\*\*Other options may be available

**Physical Specifications**



PIN	FUNCTION
1	Crystal
2	Crystal

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



Notes

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## Performance Specifications

Parameter	Conditions	Fund	3 <sup>rd</sup>	5 <sup>th</sup>	Unit
Frequency Range		10-30	20-100	80-150	MHz
Turning Point					
Frequency Tolerance		±3	±3	±3	ppm
Temperature			+60 to +100		°C
Temp Tolerance			(See Options)		°C
Aging	Max per year		±100		ppb
Equivalent Series Resistance	SC-Cut Max	30	100	120	Ω
Insulative Resistance	Dependent upon Frequency		500		MΩ
Drive Level	(typical)		100		μW
C0 (Shunt Capacitance)	Max	5	5	5	pF
C1 (Motional Capacitance)	Dependent upon Frequency	--	--	--	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				