



FEATURES

- ✓ Wide Frequency Range
- ✓ 8x8mm Package
- ✓ Vibration Resistant

Crystals for Oven Controlled Circuits

#blileytakesyoufurther

Part Number Configuration

BQOSW – **M** **B** – **C** **B**

Center Frequency
20MHz to 150 MHz

Crystal Cut
B: SC/Mod SC-Cut

Mode
3: 3rd
5: 5th

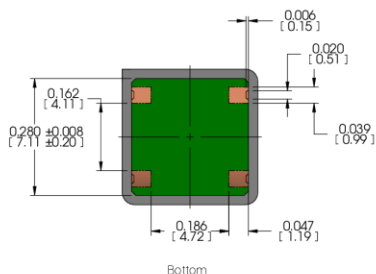
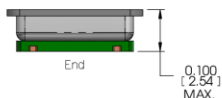
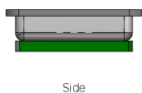
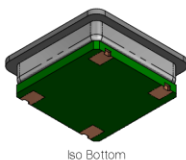
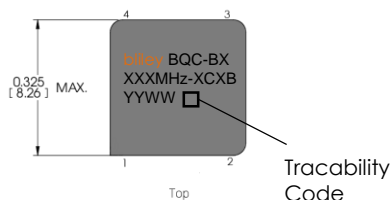
Turn Point Temperature
60 to 110 °C

Turn Point Tolerance
C: ±5°C

Load Capacitance
G: 20pF
L: 32pF
Z: Series

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

Physical Specifications



PIN	FUNCTION
1	Crystal
2	N.C.
3	Crystal
4	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		20.0-80.0	75.0-150.0	MHz
Turning Point				
Frequency Tolerance		±5		ppm
Temperature	Lower Turn Upper Turn	+60 to +100 +95 to +110		°C
Temp Tolerance		±5		°C
Aging	Max 1 st Year	±0.5		ppm
Equivalent Series Resistance	SC-Cut Max	60	120	Ω
Insulative Resistance	Dependent upon Frequency		500	MΩ
Drive Level	(typical)		100	μW
C0 (Shunt Capacitance)	Max	6	6	pF
CL (Load Capacitance)		(See Options)		pF
DLD	50nW to 100μW		±1 Max	Ppm
RLD	50nW to 100μW		10% Max	Ω
Storage Temp Range		-55 to +125		°C
Sealing Method		Resistance Weld		
G Sensitivity	Max		3.0	ppb/G
Vibration	MIL-STD-202, Method 214, Test Condition E			
Shock	MIL-STD-202, Method 213, Test Condition G			

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