



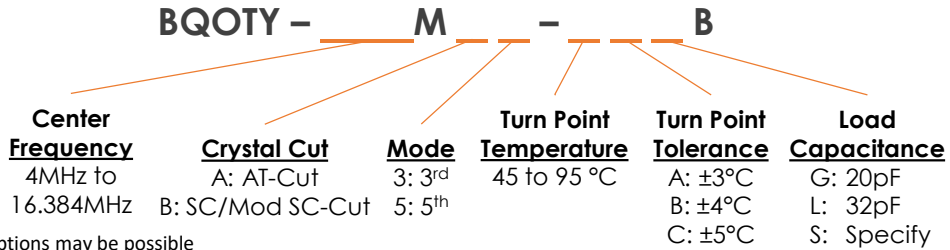
FEATURES

- ✓ HC-30/U Package
- ✓ Ultra High Stability
- ✓ Supports Space Flight Hardware
- ✓ Legacy BG61 package

Crystals for Oven Controlled Circuits

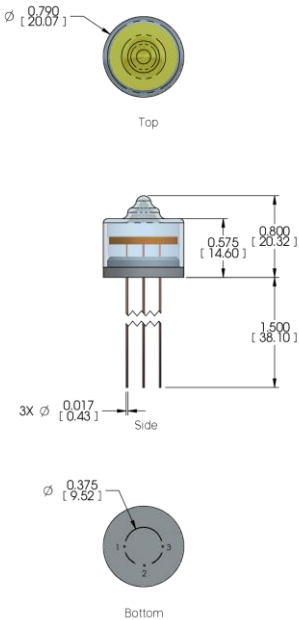
#blileytakesyoufurther

Part Number Configuration



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

Physical Specifications



PIN	FUNCTION
1	Crystal
2	N.C.
3	Crystal

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



Notes

Performance Specifications

Parameter	Conditions	3 rd	5 th	Unit
Frequency Range		4.0-10.0	5.0-16.384	MHz
Turning Point				
Frequency Tolerance	AT-Cut SC/Mod SC-Cut	4.0 1.5	1.0 0.5	ppm
Temperature	AT-Cut $\pm 5^{\circ}\text{C}$ SC/Mod SC-Cut $\pm 5^{\circ}\text{C}$		+45 to +90 +50 to +95	$^{\circ}\text{C}$
Temp Tolerance			(See Options)	$^{\circ}\text{C}$
Aging	Max per day		± 0.1	ppb
Equivalent Series Resistance	AT-Cut Max SC-Cut Max	50 110	140 350	Ω
Insulative Resistance	Dependent upon Frequency		500	M Ω
Drive Level	(typical)	50	10	μW
C0 (Shunt Capacitance)	Max	5	5	pF
C1 (Motional Capacitance)	AT-Cut (typical) SC/Mod SC-Cut (typical)	-- 0.15	-- 0.05	fF
CL (Load Capacitance)			(See Options)	pF
DLD	50nW to 100 μW		± 1 Max	ppm
RLD	50nW to 100 μW		15% Max	Ω
Storage Temp Range			-55 to +125	$^{\circ}\text{C}$
Sealing Method			Glass Seal Vacuum	
Vibration	MIL-STD-202, Method 214, Test Condition E			
Shock	MIL-STD-202, Method 213, Test Condition G			

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