



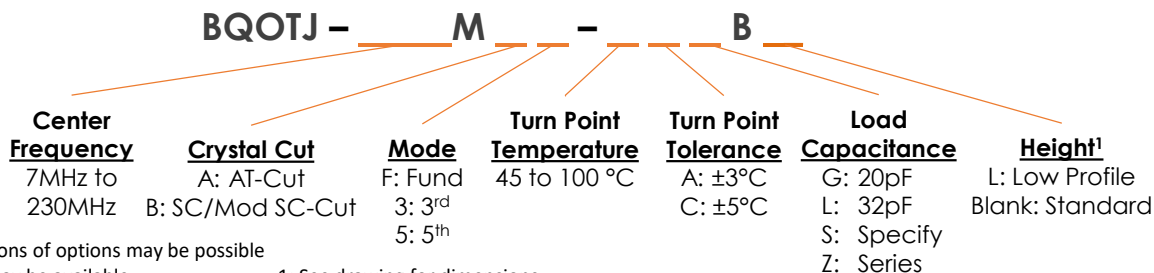
FEATURES

- ✓ HC-35/U Package
- ✓ Ultra High Stability
- ✓ Supports Space Flight Hardware

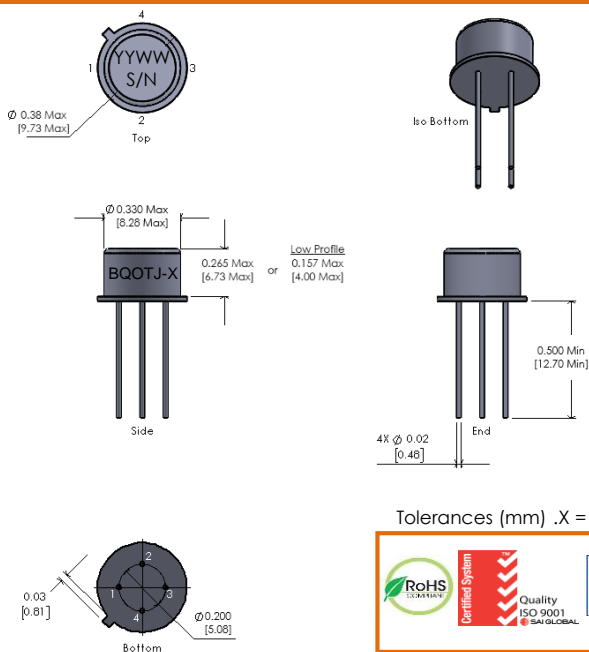
Crystals for Oven Controlled Circuits

#blileytakesyoufurther

Part Number Configuration



Physical Specifications



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

PIN	FUNCTION
1	Crystal
2	Ground
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	Fund	3 rd	5 th	Unit
Frequency Range	Min	7-175	20-230	40-230	MHz
Turning Point					
Frequency Tolerance	AT-Cut SC/Mod SC-Cut	-- 1.5	-- --	-- 0.5	ppm
Temperature	AT-Cut ± 5°C SC/Mod SC-Cut ± 5°C		+45 to +90 +60 to +100		°C
Temp Tolerance			(See Options)		°C
Aging	Max per year		±120		ppb
Equivalent Series Resistance	AT-Cut Max SC-Cut Max	-- 25	-- 50	-- 60	Ω
Insulative Resistance	Dependent upon Frequency		500		MΩ
Drive Level	(typical)		200		mW
C0 (Shunt Capacitance)	Max	5	5	5	pF
C1 (Motional Capacitance)	AT-Cut (typical) SC/Mod SC-Cut (typical)	-- --	-- 0.48	-- 0.15	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				

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