



FEATURES

- ✓ Matched Sets
- ✓ Standard UM5 Package Size
- ✓ MIL-STD-202 Compliant
- ✓ High Frequency Performance

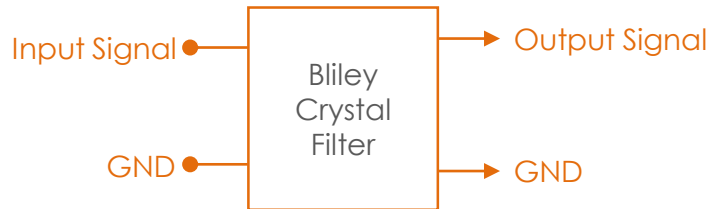
Monolithic Crystal Filter

#blileytakesyoufurther

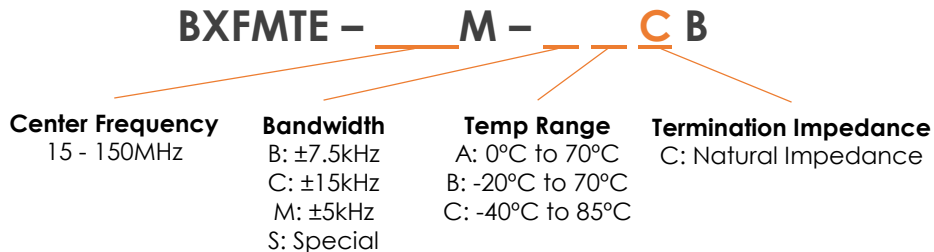
Description

Bliley Crystal Filters are designed to perform reliably under demanding environmental conditions. Bliley rigorous Quality Control Standards provides the framework to provide consistent lot to lot product performance. Bliley Crystal Filters are utilized in applications consisting of: Avionics, Instrumentation, Military, SATCOM and DATACOM. Bliley can provide both discrete and monolithic topology solutions.

Block Diagram



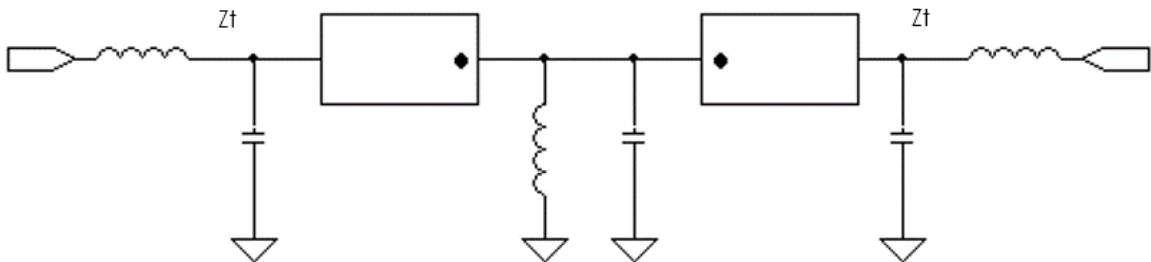
Part Number Configuration



Performance Specifications

Parameter	Conditions	Values			Unit
		MIN	TYP	MAX	
General		MIN	TYP	MAX	
Center Frequency		15		150	MHz
Frequency Tolerance	@ +25C		±1.5		kHz
Frequency Stability	Dependent on Bandwidth		±2.0 - ±10.0		kHz
Bandwidth	Option B @3.0 dB		±7.5		kHz
	Option C @3.0 dB		±15		kHz
	Option M @3.0 dB		±5		kHz
Ripple	Fo ±bandwidth			1.0	dB
Ultimate Attenuation			70		dB
Insertion Loss	5kHz Bandwidth			5	dB
	15kHz Bandwidth			8	
Spurious				-40	dB
Termination Impedance (Zt)	Natural Impedance		3K//xx		Ω//pF
Power			0	6	dBm
Weight			1.5		g

Test Network

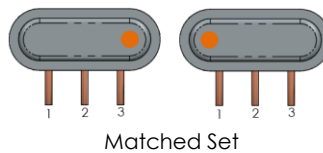
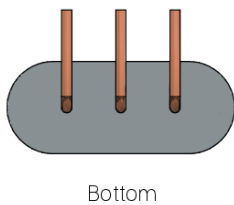
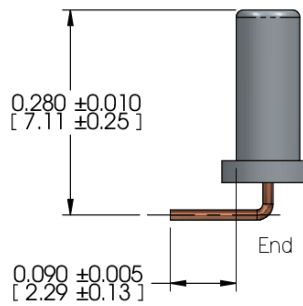
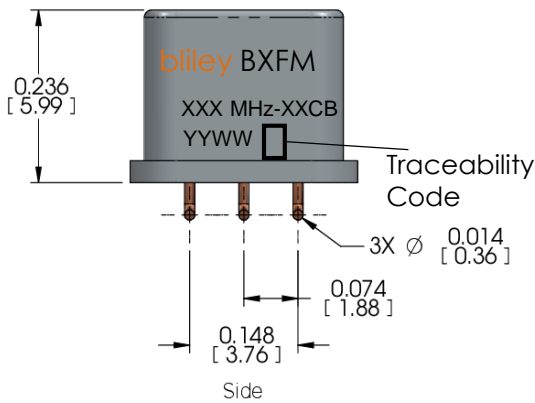
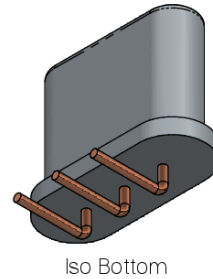
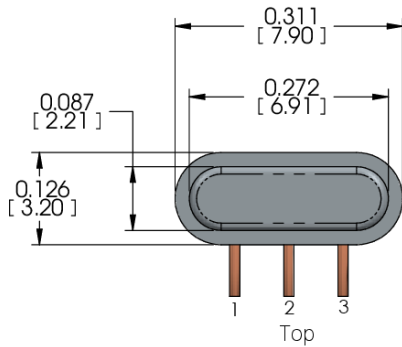


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Environmental Compliance

Parameter	Conditions	Values			Unit
		MIN	TYP	MAX	
Operating Temperature	Option A	0		+70	°C
	Option B	-20		+70	°C
	Option C	-40		+85	°C
Storage Temperature		-55		+125	°C
Shock	MIL-STD-202 Method 202C				
Vibration	MIL-STD-202 Method 201A				
Altitude	MIL-STD 202 Method 105C Test Condition A				
Humidity	MIL-STD-202 Method 103B Test Condition A				
Seal	MIL-STD-202 Method 112 Test Condition D				

Physical Specifications



PIN	FUNCTION
1	Input
2	Ground
3	Output

Tolerances (mm) .X = ±0.5, .XX = ±0.15 unless otherwise specified



Notes

- 1) Marked as matched sets

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