Coaxial Circulator
2 ~ 2.15GHz

Features

- High power handling up to 1KW
- High isolation within operational band
- Low Insertion Loss
- Stable performance over temperature

RoHS Compliant

Typical Applications

- Aerospace and military applications
- Test and Measurement
- Wireless infrastructure

Electrical Specifications, T_A=25 ℃

Parameter		Min.	Typ.	Max.	Units
Frequency Range		2-2.15			GHz
Insertion Loss				0.3	dB
Reverse Isolation		26.5			dB
VSWR				1.1	:1
Forward Power (CW)				1	KW
Rotation		Clockwise (Standard) Counter Clockwise (Upon Request)			
Connectors	Port 1	7/16-Female			
	Port 2	7/16-Male			
	Port 3	7/16-Female			
Finish		Nickel Plated			
Case Material		Aluminum Alloy / Copper			
Impedance		50			Ω

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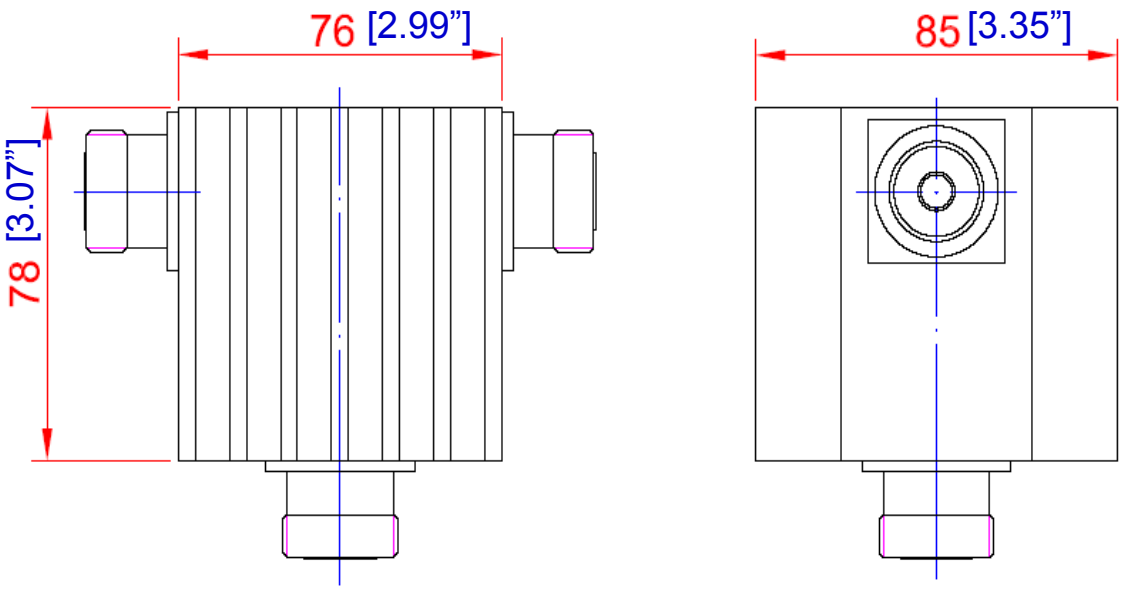
Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-20℃~+45℃
Storage Temperature		-20℃~+65℃
Thermal Shock		1 Hour@ -45℃ → 1 Hour @ +85℃ (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85℃ for 72 Hours
Shock		1. Weight >20g, 50g half sine wave for 11ms, Speed variation 3.44m/s 2. Weight <=20g, 100g Half sine wave for 6ms, Speed variation 3.75m/s 3. Total 18 times (6 directions, 3 repetitions per direction).
Altitude		Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)
Hermetically Sealed (Optional)	MIL-STD-883	MIL-STD-883 (For Hermetically Sealed Units)

Outline Drawing:

All Dimensions in mm [inches]



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