



Focus on the future

Broadband Power Divider

MM-BPD-040080-04

4.0-8.0 GHz, 4-Way

General Description

MM-BPD-040080-04 is a 4-Way Power Divider operating over the 4.0 to 8.0 GHz frequency range. This model has a maximum insertion loss of 0.6 dB and has very good phase and amplitude match. The compact housing is outfitted with SMA female connectors.

Features

- Ultra Wide Band: 4.0-8.0GHz
- Ultra Broadband, Multi-Octave
- Superior Phase & Amplitude Balance

Applications

- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications

Parameter	Value			Units
	Min	Typ	Max	
Frequency Range	4.0		8.0	GHz
Insertion Loss			0.6	dB
VSWR			1.3	:1
Isolation	18			dB
Amplitude Balance			±0.3	dB
Phase Balance			±3	°
Power Handling			30	W
Impedance		50		Ω

Mechanical Specifications

Parameter	Value
Length	56 mm
Width	43 mm
Height	10 mm
Material / Finishing	Aluminum/Black Paint
RF Connector	SMA Female



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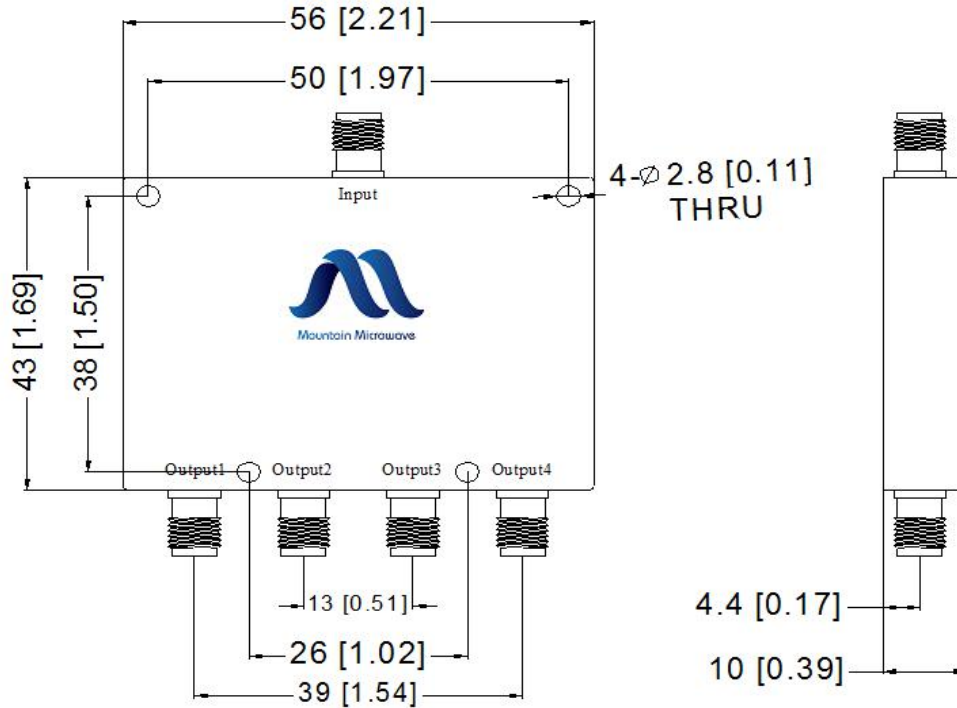
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Mountain Microwave

Outline Drawing



Environmental Conditions

Parameter	Standard	Description
Operational Temperature		-45°C~+85°C
Storage Temperature		-55°C~+125°C
Random Vibration	MIL-STD-883K, Method 2026, Cond. IB	50 - 2000 Hz, 7.3 Grms
Humidity	MIL-STD-202, Method 103B, Cond. B	100% RH at 35c, 95%RH at 40°C
Altitude	MIL-STD-883K, Method 1001, Cond. C	50,000 feet

Please note, all information contained in this data sheet is subject to change without notice. ver 1.0 0118