

Focus on the future

Broadband Power Divider MM-BPD-010080-02 1.0-8.0 GHz, 2-Way

Mountain Microwave

### **General Description:**

MM-BPD-010080-02 is a 2-Way Power Divider operating over the 1.0 to 8.0 GHz frequency range. This model has a maximum insertion loss of 1.0 dB and has very good phase and amplitude match. The compact housing is outfitted with SMA female connectors.

#### **Features:**

- Ultra Wide Band: 1.0-8.0GHz
- Ultra Broadband, Multi-Octave
- Superior Phase & Amplitude Balance

# **Applications:**

- Radar Systems
- Communication Systems
- Receivers Systems

Parameter	Value			Units
	Min	Тур	Max	Units
Frequency Range	1.0		8.0	GHz
Insertion Loss			1.0	dB
VSWR			1.3	:1
Isolation	18			dB
Amplitude Balance			± 0.4	dB
Phase Balance			± 5	0
Power Handling			30	W
Impedance		50		Ω

# **Electrical Specifications :**

# **Mechanical Specifications:**

Parameter	Value	
Length	92 mm	
Width	24 mm	
Height	10 mm	
Material / Finishing	Aluminum/Black Paint	
RF Connector	SMA Female	

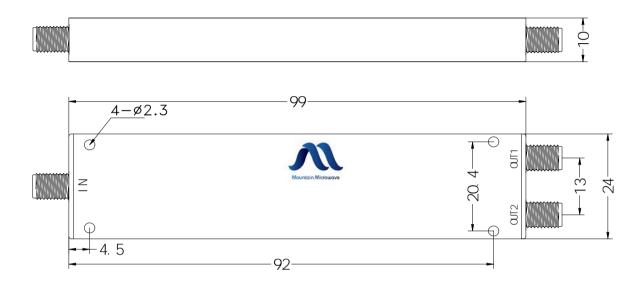


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## **Outline Drawing:**

mm



## **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.