



Focus on the future

Mountain Microwave

Directional Coupler

MM-BDC-008025-30

0.8-2.5 GHz, 30 dB

General Description:

MM-BDC-008025-30 is a 800MHz to 2.5GHz directional coupler having a 30 dB coupling factor and 20dB directivity. This model handles an input power of 50 watts.

Features:

- Ultra Wide Band: 0.8-2.5 GHz
- 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	0.8		2.5	GHz
Coupling		30 ± 1.0		dB
Insertion Loss			0.4	dB
VSWR			1.25	:1
Directivity	18			dB
Power Handling			50	W
Impedance		50		Ω

Mechanical Specifications:

Parameter	Value
Length	105 mm
Width	30 mm
Height	14 mm
Material / Finishing	Aluminum/Black Paint
RF Connector	SMA Female



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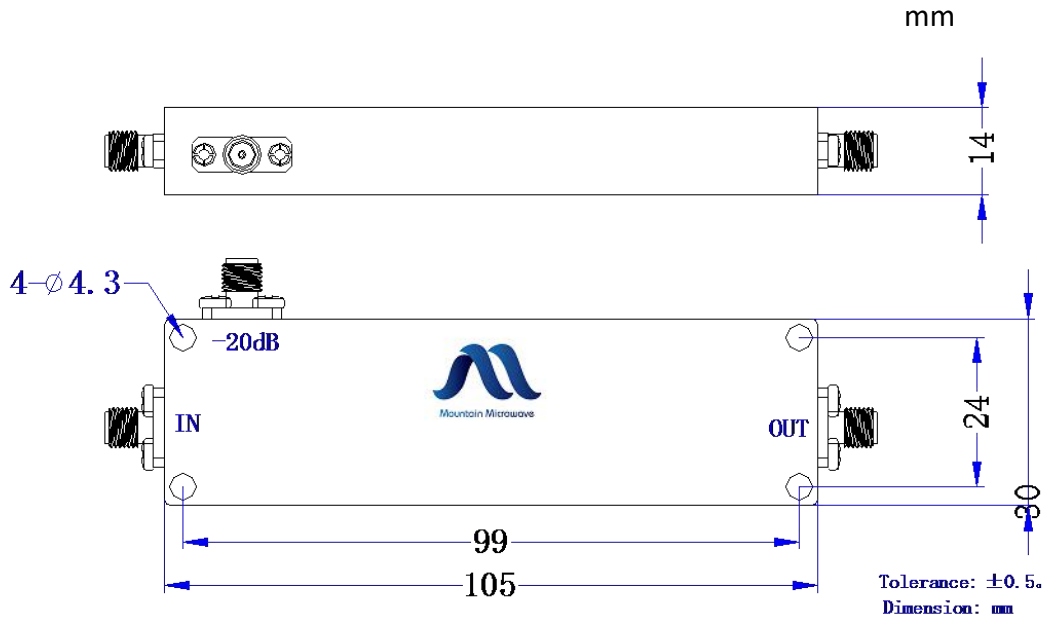
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Outline Drawing:



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.

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