



General Description:

MM-BDC-008025-10 is a 800MHz to 2.5GHz directional coupler having a 10dB coupling factor and 20dB directivity. This model handles an input power of 50 watts.

Features:

- Ultra Wide Band: 0.8-2.5 GHz
- Low Insertion Loss
- Flat Coupling Level

Applications:

- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications :

Parameter	Value			Units
	Min	Typ	Max	
Frequency Range	0.8		2.5	GHz
Coupling		10 ± 1.0		dB
Insertion Loss			0.8	dB
VSWR			1.25	:1
Directivity	20			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



Mountain Microwave

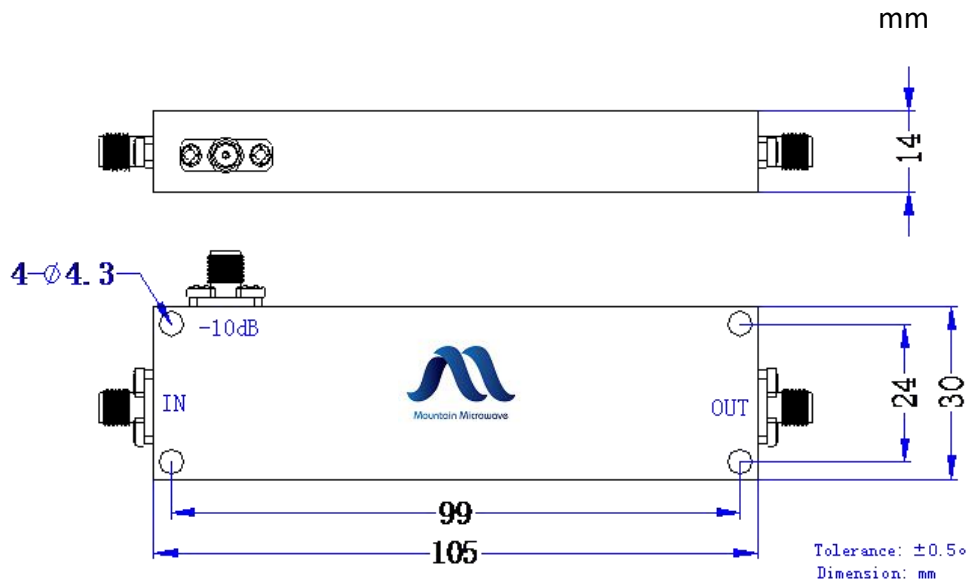
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Directional Coupler

MM-BDC-008025-10

0.8-2.5 GHz, 10 dB

Outline Drawing:



Environmental Conditions:

Parameter	Standard	Description
Operational Temperature		-45 ~+85
Storage Temperature		-55 ~+125
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
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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