

Focus on the future 3 dB 90 Degree Hybrid Coupler

MM-BHC-004060-90 0.4-6.0 GHz

General Description:

MM-BHC-004060-90 is a quadrature coupler that operates over the frequency range of 0.4 to 6.0 GHz. It has a minimum isolation of 18 dB and a maximum insertion loss of 1.0 dB. This product is outfitted with SMA female connectors.

Features:

- Ultra Wide Band: 0.4-6.0 GHz
- High Isolation, Low VSWR
- Flat Coupling Level

Applications:

- Test Labs
- Communication Systems
- Receivers Systems

Electrical Specifications:

Parameter	Value			Units
	Min	Тур	Max	Ullits
Frequency Range	0.4		6.0	GHz
Coupling		3		dB
Insertion Loss		0.8	1.0	dB
VSWR		1.3	1.4	:1
Isolation		20	18	dB
Amplitude Balance			±0.8	dB
Phase Balance			±10	0
Power Handling			50	W
Impedance		50		Ω

Mechanical Specifications:

Parameter	Value	
Length	117.5 mm	
Width	27 mm	
Height	11 mm	
Material / Finishing	Aluminum/Black Paint	
RF Connector	SMA Female	

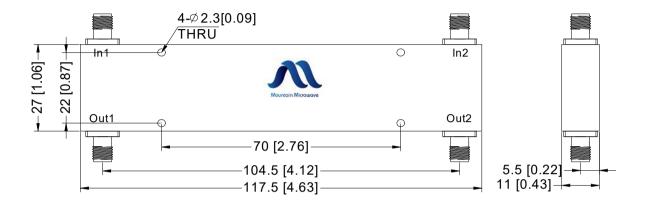


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Outline Drawing:

mm(inch)



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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