Suzhou Talent Microwave,Inc
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High Power Dual-Directional Coupler

0.08-1GHz/45dB Coupling/SMA Female Model: TDC-80M010-45S-100

TDC-80M010-45S-100is a high power dual-directional coupler that delivers a 45 dB nominal coupling level and 18 dB minimum directivity across the full frequency range from 0.08 to1GHz. It is a four-port passive device that can couple a portion of the power from the main transmission line to the auxiliary line in a directional manner.

Features:

- Output Frequency: 0.08-1GHz
- Max Power: 100W
- Stackable mechanical design
- Low Insertion Loss
- Moderate Directivity
- 50 Ohm Matched Input / Output

Applications:

- Test Labs
- Instrumentations
- Sub-assemblies

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	0.08		1	GHz
Insertion Loss(Excl coupling)			0.5	dB
Coupling		45±1.2		dB
Directivity	18			dB
Main Line VSWR			1.3	:1
Power Handling		100		W
Impedance		50		Ohms

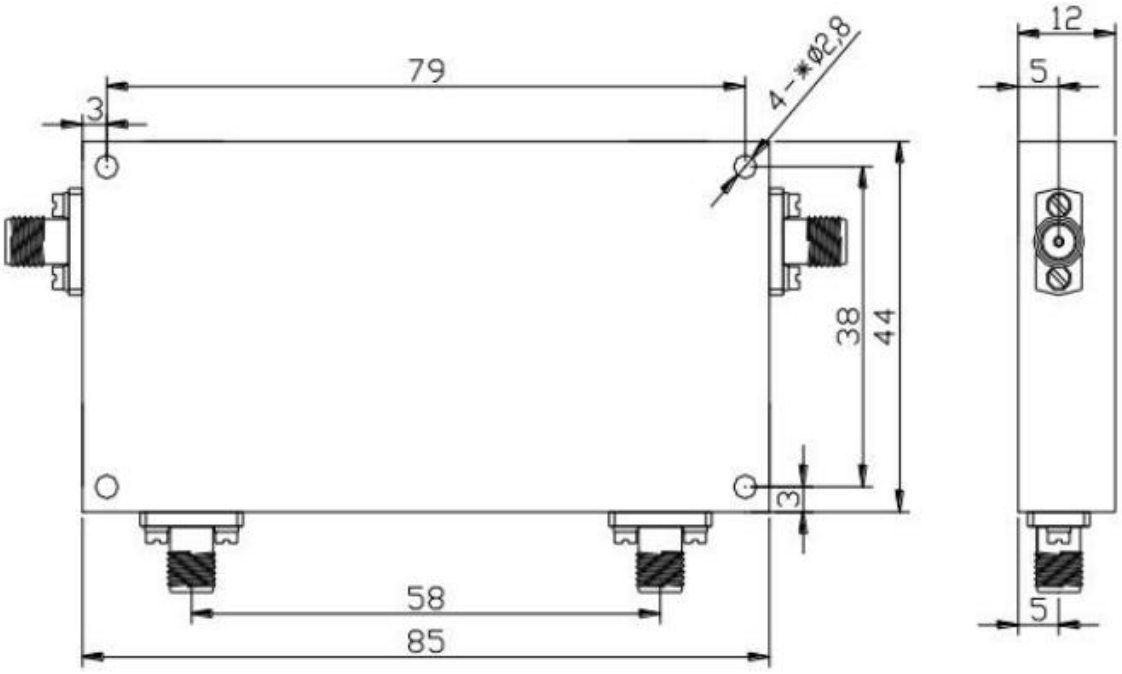
Mechanical Specifications:

Parameter	Value	Units
RF Connector	SMA Female	
Coupling Connector	SMA Female	
Size	85*79*12	mm

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Outline Drawing:

Unit:mm



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TDC-80M010-45S-100	High Power Dual-Directional Coupler 0.08-1GHz, Coulping:45dB, SMA Female	Rev.1.0