

Coax Directional Coupler

80-1000MHz/45dB Coupling/SMA Female

Model: TDC-80M010-45S-100

TDC-80M010-45S-100 is a coax directional coupler that delivers a 45 dB nominal coupling level and 18 dB minimum directivity across the full frequency range from 80 to 1000MHz. 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: 80-1000MHz
- Max Power: 100W
- Stackable mechanical design
- Low Insertion Loss
- Moderate Directivity
- 50 Ohm Matched Input / Output

Applications:

- Test Labs
- Instrumentations
- Sub-assemblies

Electrical Characteristics:

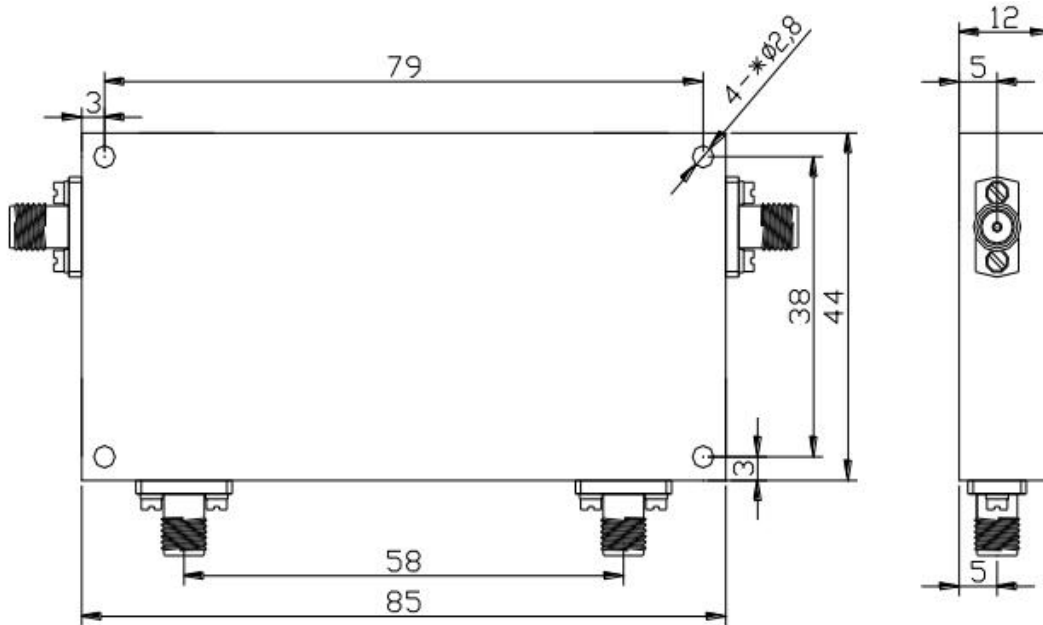
Parameter	Min	Typ	Max	Units
Frequency Range	0.08		1	GHz
Insertion Loss			0.5	dB
Coupling		45±1.2		dB
Directivity	18			dB
Main Line VSWR			1.3	:1
Power Handling		100		W
Impedance		50		Ohms

Environmental And Physical Characteristics:

Description	Parameter	Units
Coupled Port	SMA Female/SMA Female	
Size	85*44*12	mm

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	Coax Directional Coupler 0.8-1GHz, Coupling:45dB, SMA Female/SMA Female	Rev.1.0

Typical Performance Data:

