Suzhou Talent Microwave,Inc
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Coax Directional Coupler

0.8-2.5GHz/10dB Coupling/SMA Female

Model: TC-0825-10S-100W

TC-0825-10S-100W is a coaxial directional coupler that delivers a 10 dB nominal coupling level and 20 dB minimum directivity across the full frequency range from 0.8 to 2.5 GHz. It is a three-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: 0.8-2.5GHz
- Coupling: 10dB Typ
- 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	0.8		2.5	GHz
Insertion Loss (Excl Coupling)			0.8	dB
Coupling		10±0.8		dB
Directivity	20			dB
Power Handling			100	W
VSWR			1.25	:1
Impedance		50		Ohms

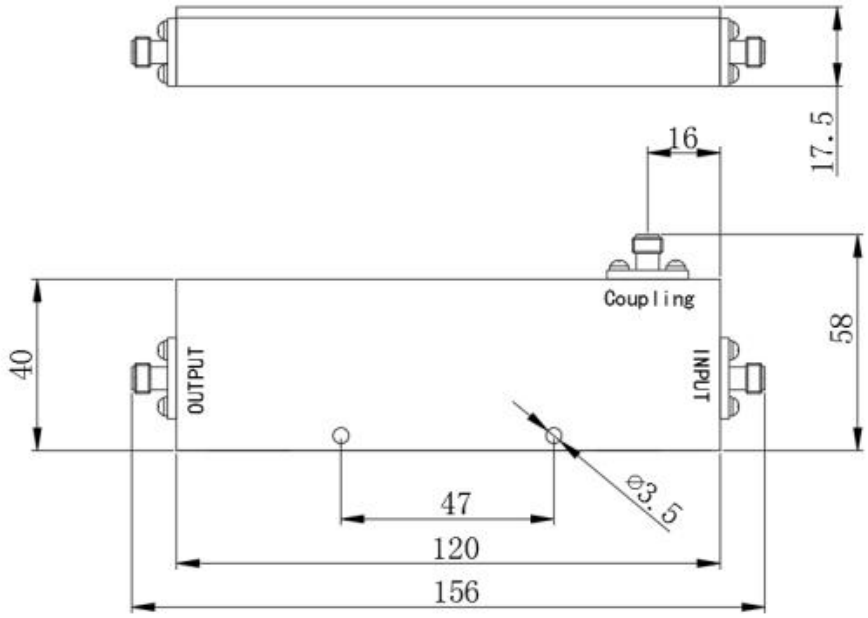
Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-55-+85	℃
Input/Output Connector	SMA Female/SMA Female	
Size	156*58*17.5	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
TC-0825-10S-100W	Coaxial Directional Coupler 0.8-2.5GHz, Coulping:10dB, SMA Female	Rev.1.0