Suzhou Talent Microwave,Inc
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Coax Directional Coupler

0.5-26.5GHz/20dB Coupling/SMA Female

Model: TC-05265-20S

TC-05265-20S is a coaxial directional coupler that delivers a 20 dB nominal coupling level and 10 dB minimum directivity across the full frequency range from 0.5 to 26.5 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: 0.5-26.5GHz
- Coupling: 20dB 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	0.5		26.5	GHz
Insertion Loss (Excl Coupling)		1.8	2.5	dB
Coupling		20±1.5		dB
Directivity	10	12		dB
Power Handling			30	W
VSWR			1.7	:1
Impedance		50		Ohms

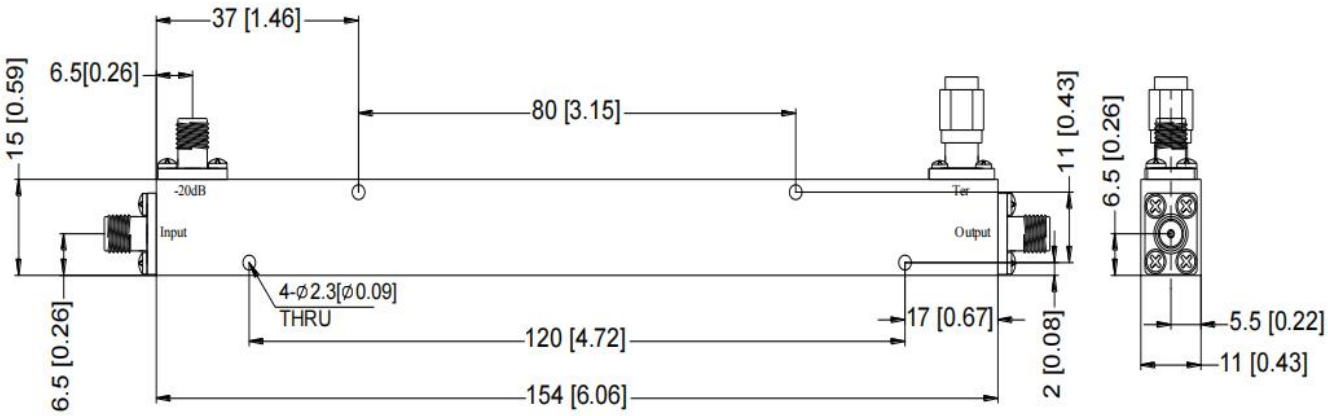
Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-55-+85	℃
Input/Output Connector	SMA Female/SMA Female	
Size	154*15*11	mm

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Outline Drawing:

Unit:mm



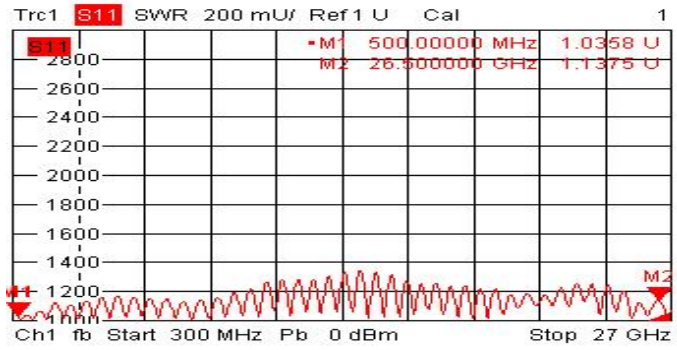
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

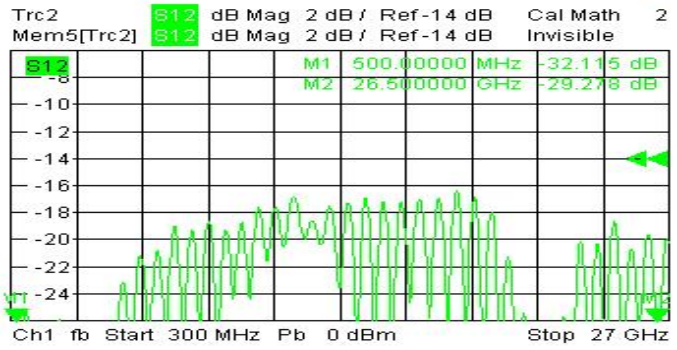
Ordering Information:

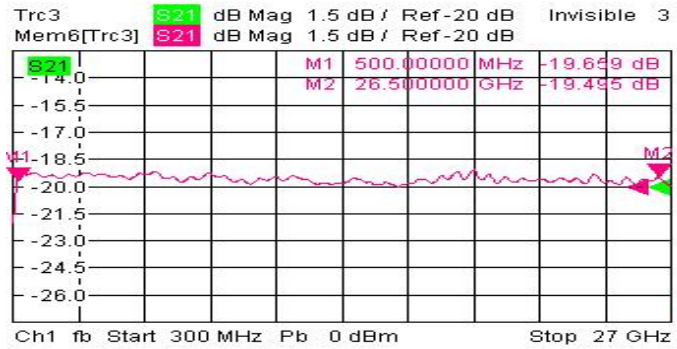
Base Number	Description	Revision
TC-05265-20S	Coaxial Directional Coupler 0.5-26.5GHz, Coulping:20dB, SMA Female	Rev.1.0

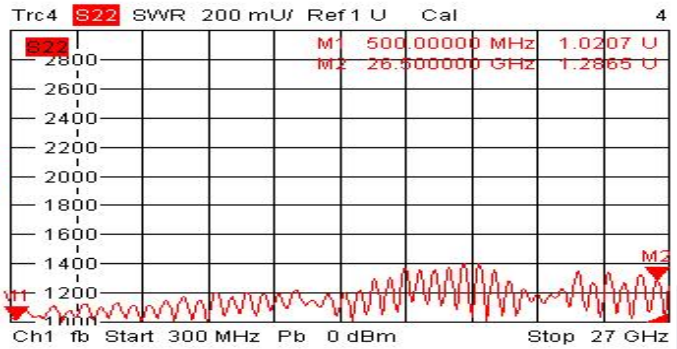
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Typical Performance Data:

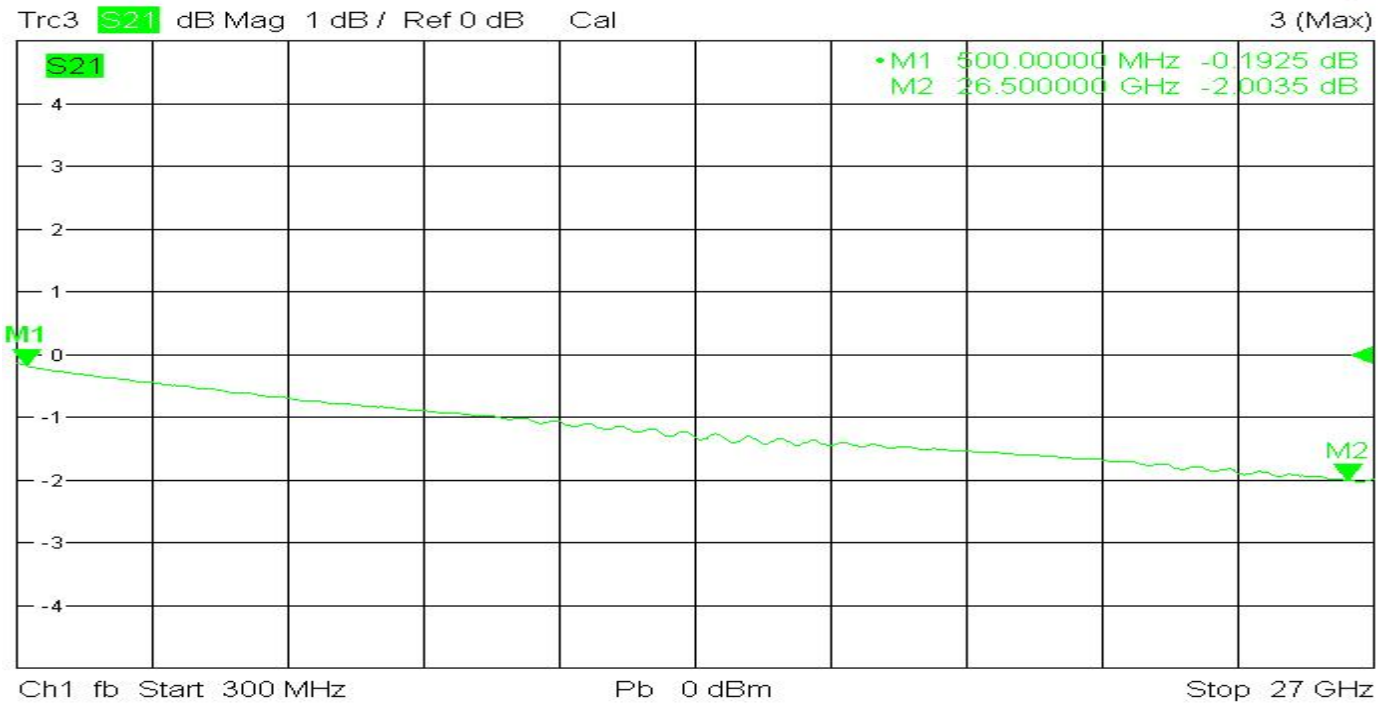








2/26/2020, 5:26 AM



2/26/2020, 5:29 AM

Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.