Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

Coax Directional Coupler

0.5-18GHz/10dB Coupling/SMA Female

Model: TC-05180-10S

TC-05180-10S is a coaxial directional coupler that delivers a 10 dB nominal coupling level and 10 dB minimum directivity across the full frequency range from 0.5 to 18 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: 0.5-18GHz
- 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	0.5		18	GHz
Insertion Loss (Excl Coupling)			2.0	dB
Coupling		10±1.5		dB
Directivity	10			dB
Power Handling			30	W
VSWR			1.7	:1
Impedance		50		Ohms

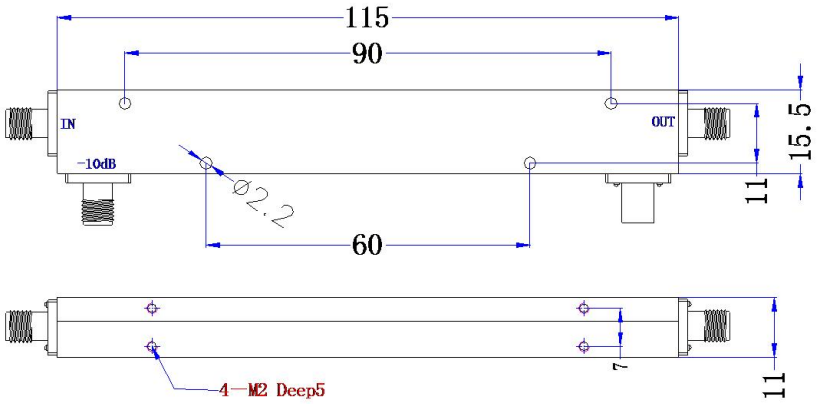
Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-55-+85	℃
Input/Output Connector	SMA Female/SMA Female	
Size	115*15.5*11	mm

Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

Outline Drawing:

Unit:mm





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

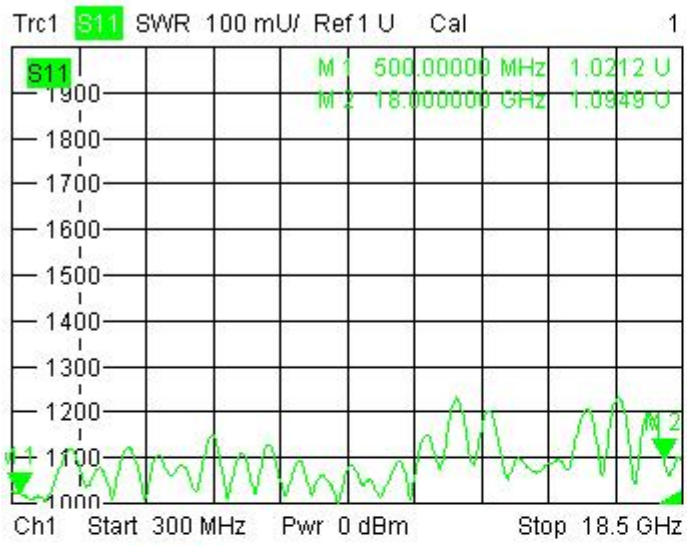
Ordering Information:

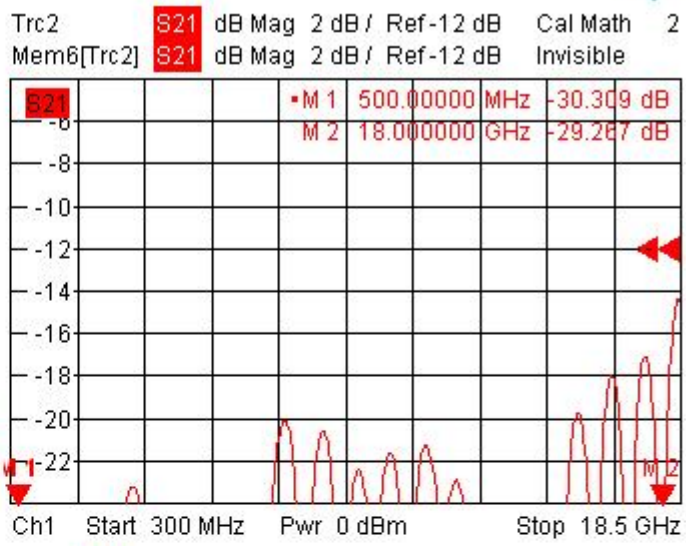
Base Number	Description	Revision
TC-05180-10S	Coaxial Directional Coupler 0.5-18GHz, Coulping:10dB, SMA Female	Rev.1.0

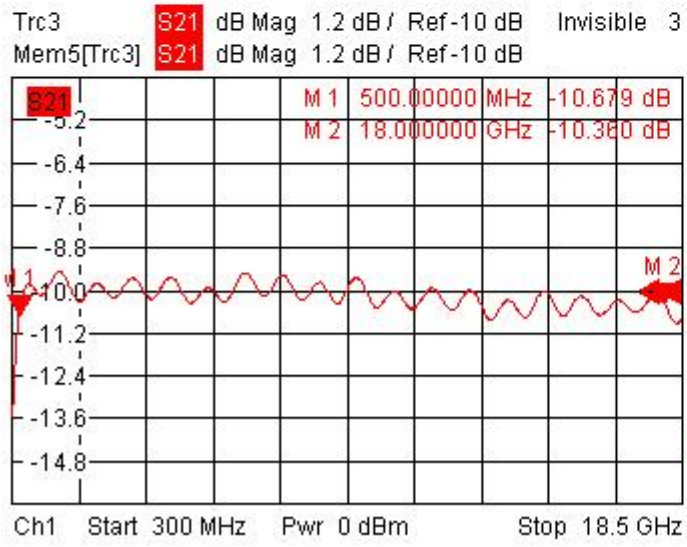
泰莱微波
Talent Microwave

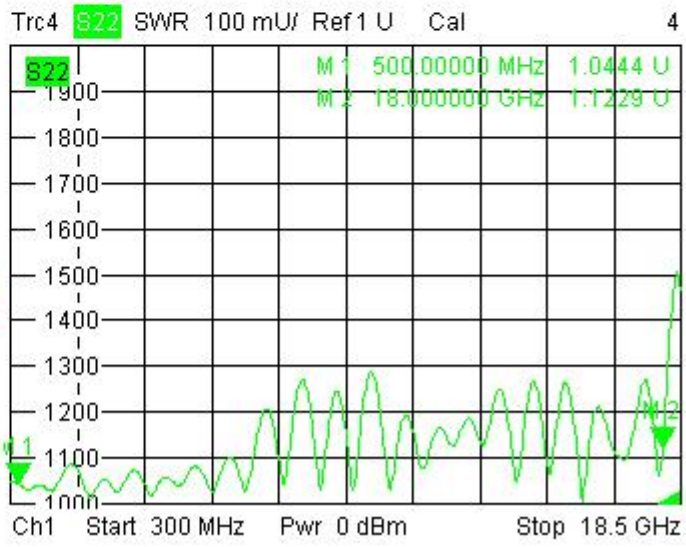
Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

Typical Performance Data:









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.