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

Coax Directional Coupler

0.5-18GHz/10dB Coupling/N Female Model: TC-05180-10N

TC-05180-10N 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:

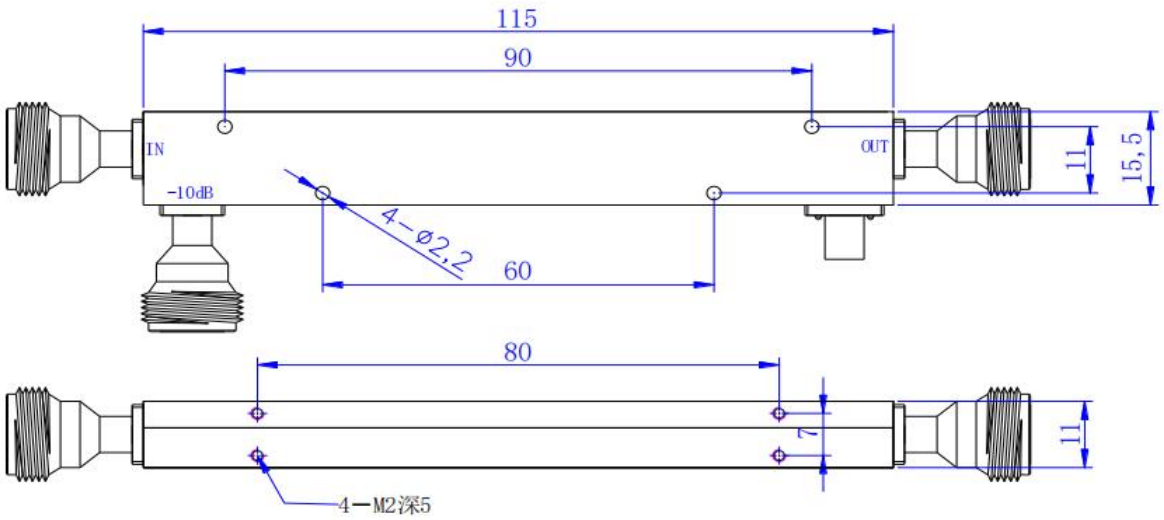
Parameter	Min	Typ	Max	Units
Frequency Range	0.5		18	GHz
Insertion Loss (Excl Coupling)			3.0	dB
Coupling		10±1.5		dB
Directivity	10			dB
Power Handling			30	W
VSWR		1.8	2.0	:1
Impedance		50		Ohms

Mechanical Specifications:

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

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

Outline Drawing:



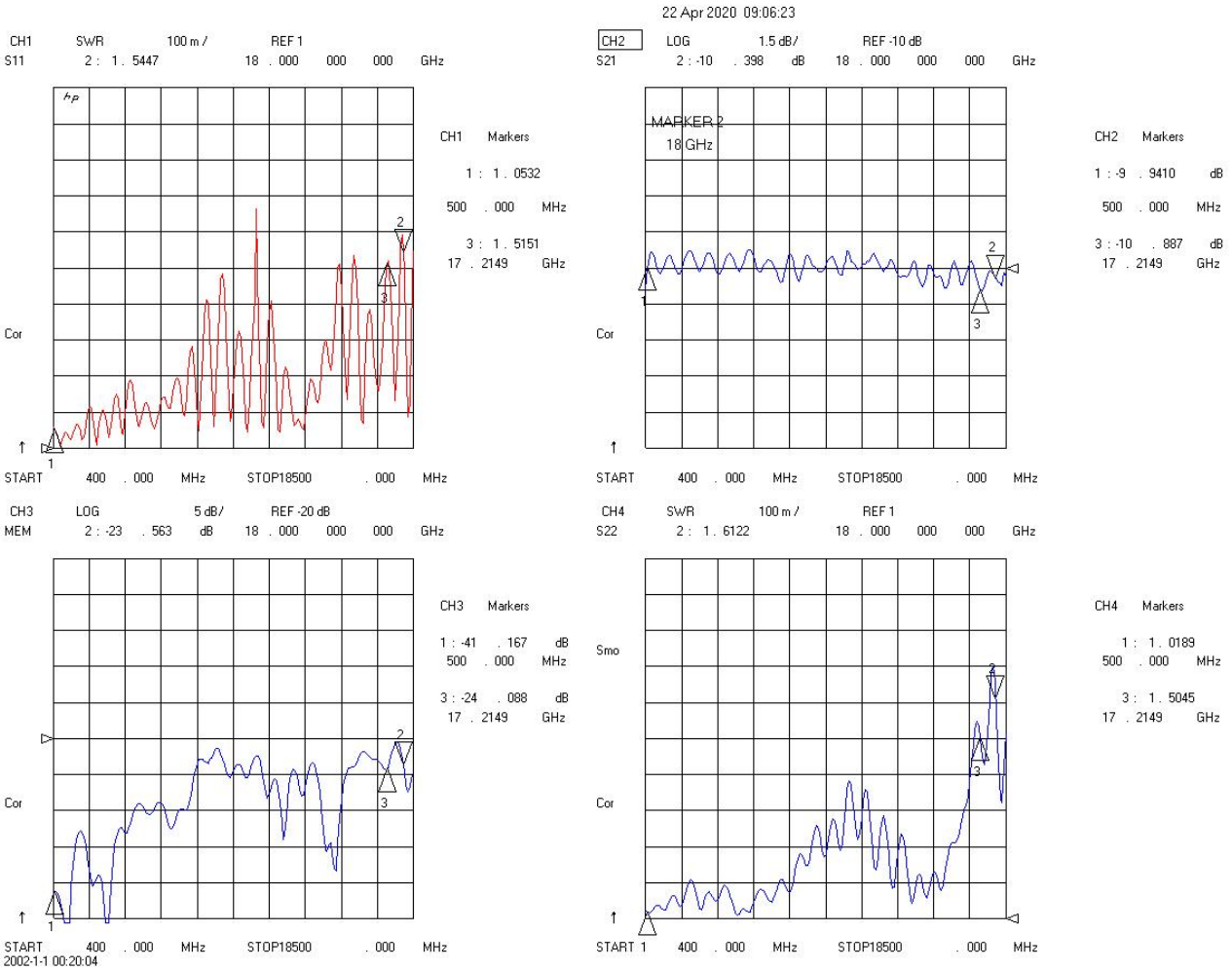
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

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

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.