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

Coax Directional Coupler

1-50GHz/20dB Coupling/2.4mm Female

Model: TC-10500-20-2.4

TC-10500-20-2.4 is a coaxial directional coupler that delivers a 20 dB nominal coupling level and 8 dB minimum directivity across the full frequency range from 1 to 50 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: 1-50GHz
- 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	1		50	GHz
Insertion Loss (Excl Coupling)		2.0	2.5	dB
Coupling		20±2		dB
Directivity	8	10		dB
Power Handling			20	W
VSWR			1.7	:1
Impedance		50		Ohms

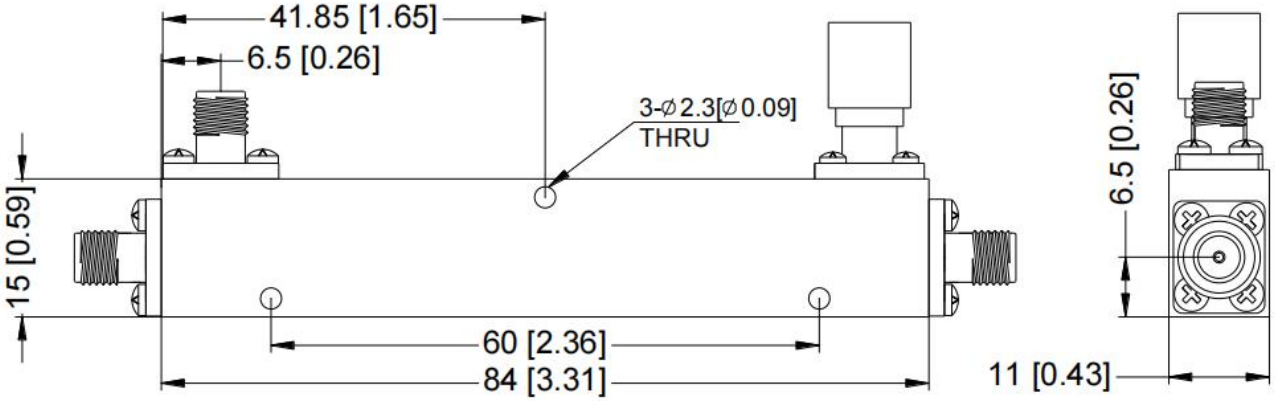
Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-55-+85	℃
Input/Output Connector	2.4mm Female/2.4mm Female	
Size	84*15*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.

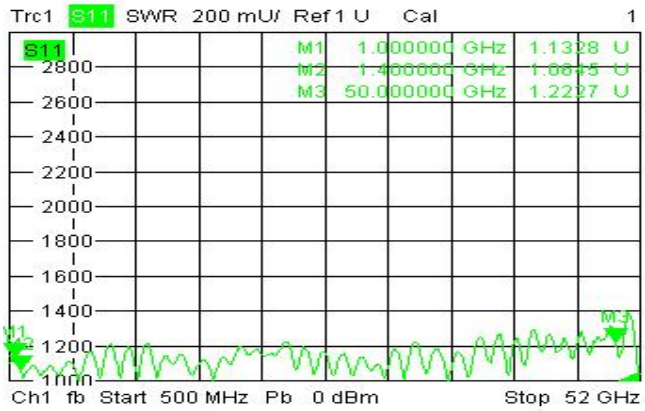
Ordering Information:

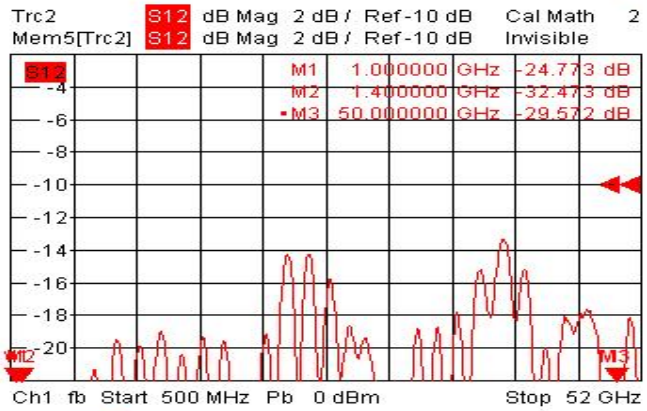
Base Number	Description	Revision
TC-10500-20-2.4	Coaxial Directional Coupler 1-50GHz, Coulping:20dB, 2.4mm Female	Rev.1.0

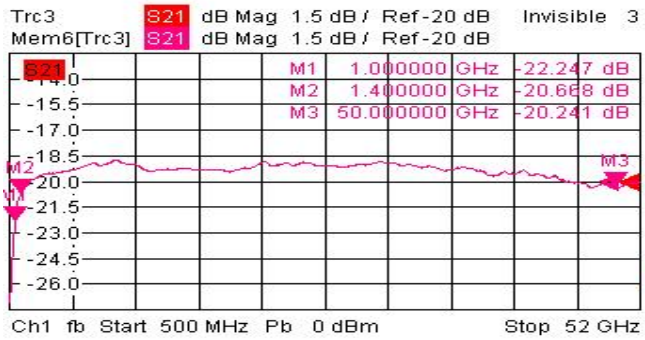
泰莱微波
Talent Microwave

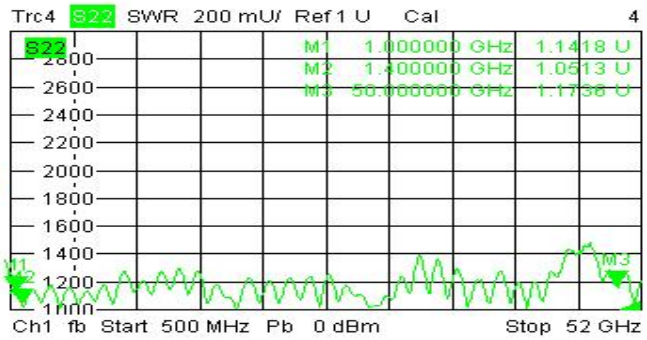
Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

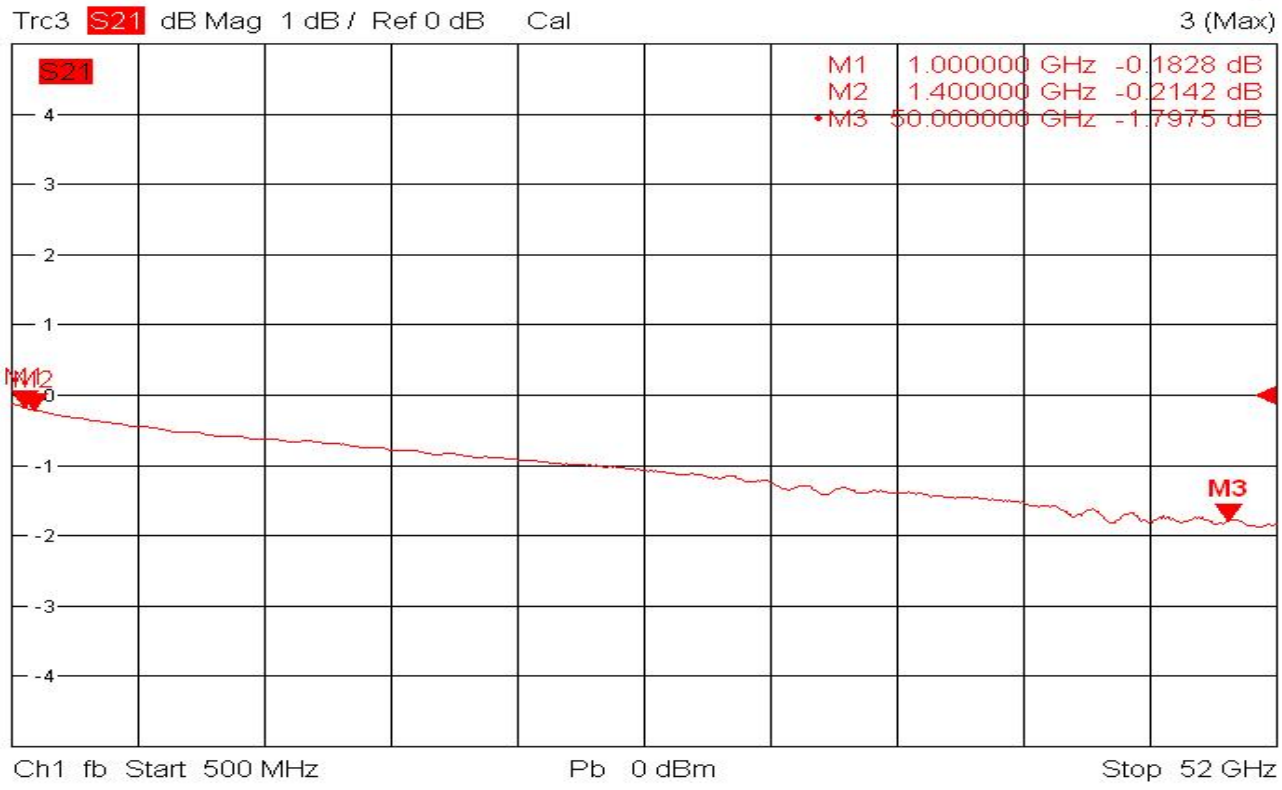
Typical Performance Data:











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.