泰莱微波
Talent Microwave

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

# Coax Directional Coupler

## 6-26.5GHz/10dB Coupling/2.92mm Female  Model: TC-60265-10K

TC-60265-10K is a coaxial directional coupler that delivers a 10 dB nominal coupling level and 13 dB minimum directivity across the full frequency range from 6 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: 6-26.5GHz
- 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 | 6 | | 26.5 | GHz |
| Insertion Loss (Excl Coupling) | | | 1.3 | dB |
| Coupling | | 10±0.6 | | dB |
| Directivity | 13 | | | dB |
| Power Handling | | | 30 | W |
| VSWR | | | 1.4 | :1 |
| Impedance | | 50 | | Ohms |

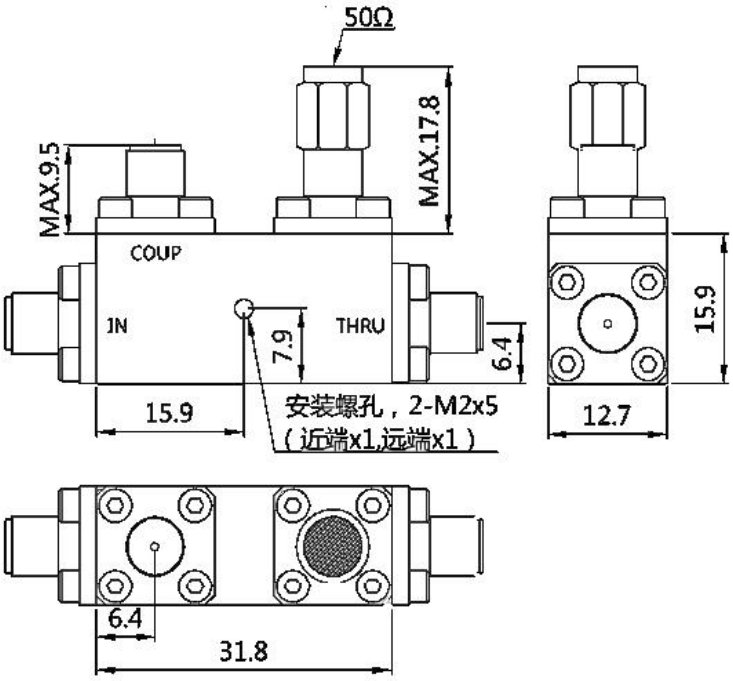
## Mechanical Specifications:

| Parameter | Value | Units |
|---|---|---|
| 输Input/Output Connector | 2.92mm Female/2.92mm Female | |
| Size | 31.8*15.9*12.7 | mm |

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

## Outline Drawing:

Unit:mm; Tolerance:±0.1mm




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

## Environmental Conditions:

| Parameter | Min | Typ | Max | Units |
|---|---|---|---|---|
| Temperature Range | -45 | | +85 | ℃ |
| Relative humidity | 100% RH at 35c, 95%RH at 40℃ | | | % |
| Altitude | 50,000 | | | feet |
| Shock / Vibration(MIL-STD-810F) | 25g rms (15 degree 2KHz) endurance, 1 hour per axis | | | |
| Shock(non operating) | 20G for 11msc half sin wave,3 axis both directions | | | |

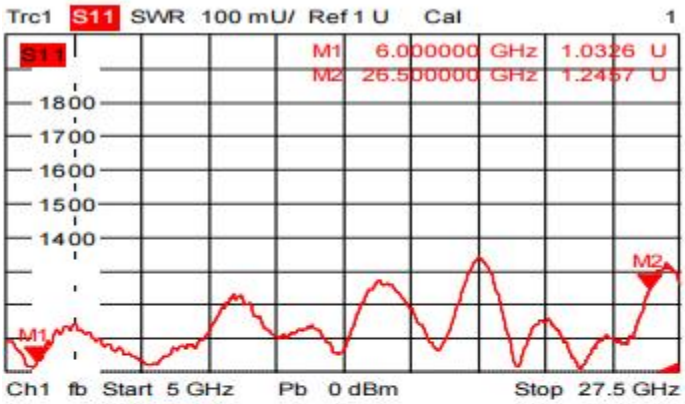
## Ordering Information:

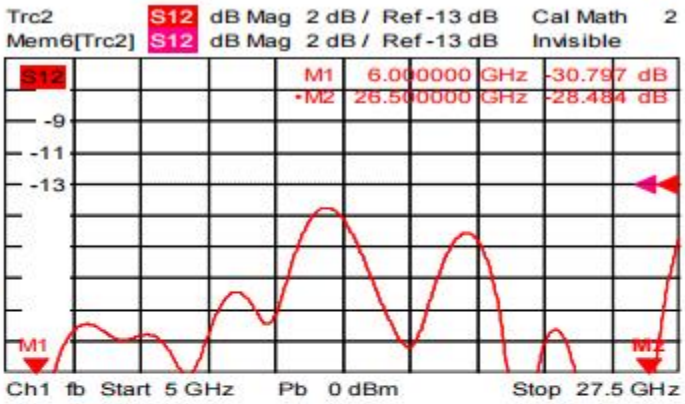
| Base Number | Description | Revision |
|---|---|---|
| TC-60265-10K | Coaxial Directional Coupler<br>6-26.5GHz, Coulping:10dB, 2.92mm Female | Rev.1.0 |

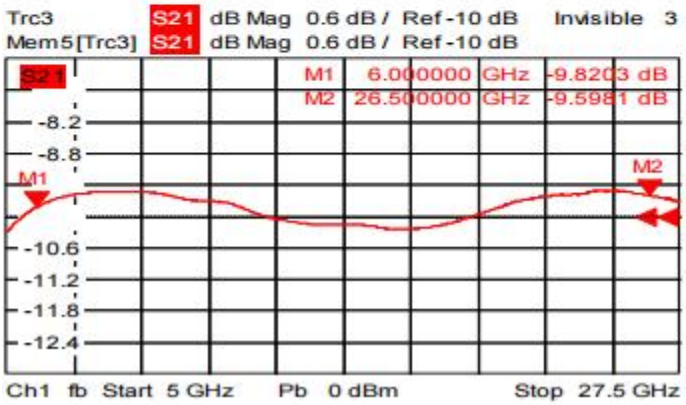
泰莱微波
Talent Microwave

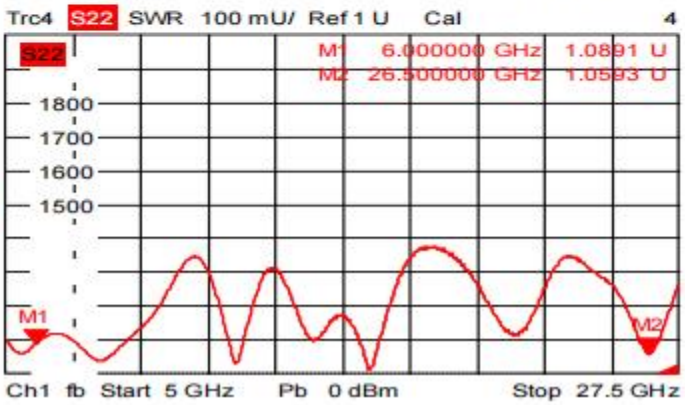
Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

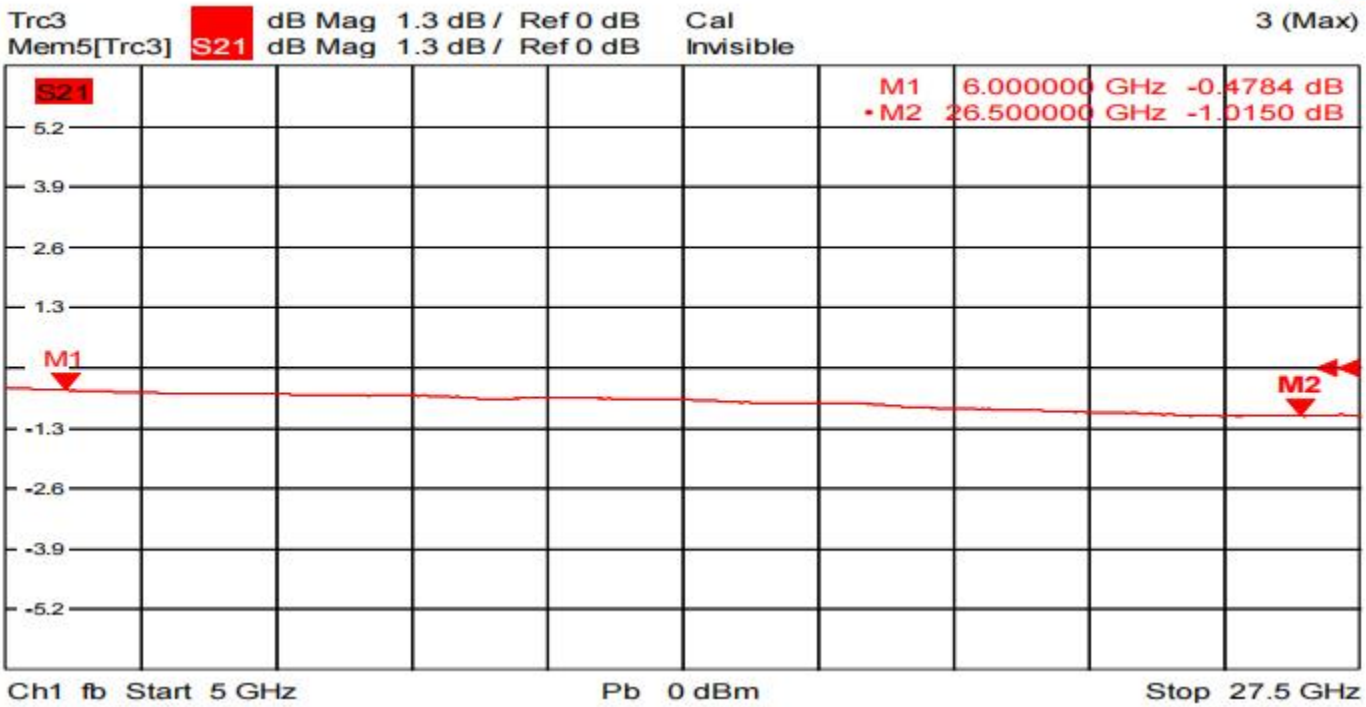
## Typical Performance Data:




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.