泰莱微波
Talent Microwave

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

High Power Directional Coupler

2-18GHz/30dB Coupling/N Female

Model: TC-20180-30N-400W

TC-20180-30N-400W is a high power directional coupler that delivers a 30 dB nominal coupling level and 10 dB minimum directivity across the full frequency range from 2 to 18GHz. 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: 2-18GHz
- Max Power: 400W
- Stackable mechanical design
- Low Insertion Loss
- Moderate Directivity
- 30 Ohm Matched Input / Output

Applications:

- Test Labs
- Instrumentations
- Sub-assemblies

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	2		18	GHz
Insertion Loss(Excl coupling)			0.8	dB
Coupling		30±1.2		dB
Coupling Flatness		±1.6		dB
Directivity	10			dB
Main Line VSWR			1.5	:1
Coupling Port VSWR			1.6	:1
Power Handling		400		W
Impedance		50		Ohms

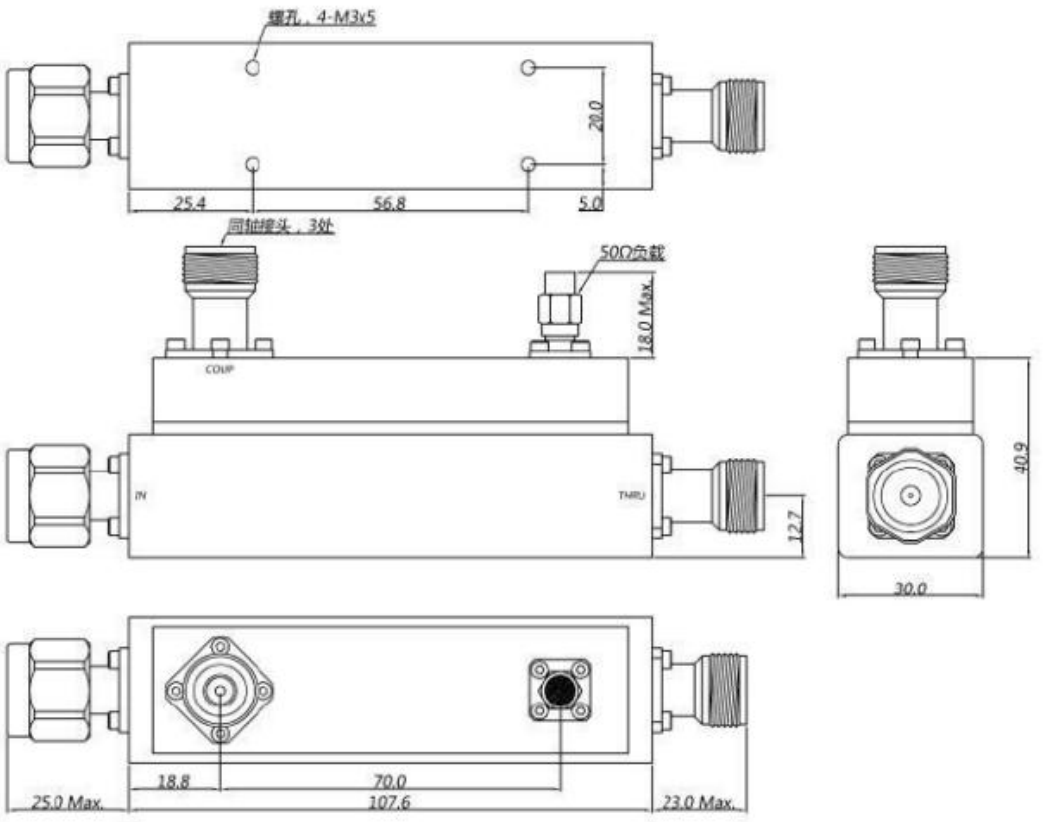
Mechanical Specifications:

Parameter	Value	Units
RF Connector	N Female	
Coupling Connector	N Female	
Size	107.6*40.9*30	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-20180-30N-400W	High Power Directional Coupler 2-18GHz, Coulping:30dB, N Female	Rev.1.0