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

High Power Directional Coupler

6-10GHz/40dB Coupling/N Female

Model: TC-60100-40N-200W

TC-60100-40N-200W is a high power directional coupler that delivers a 40 dB nominal coupling level and 10 dB minimum directivity across the full frequency range from 6 to 10GHz. 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: 6-10GHz
- Max Power: 200W
- 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		10	GHz
Insertion Loss(Excl coupling)		0.3	0.4	dB
Coupling		40±1.2		dB
Directivity	10	12		dB
Main Line VSWR			1.5	:1
Power Handling			200	W
Impedance		50		Ohms

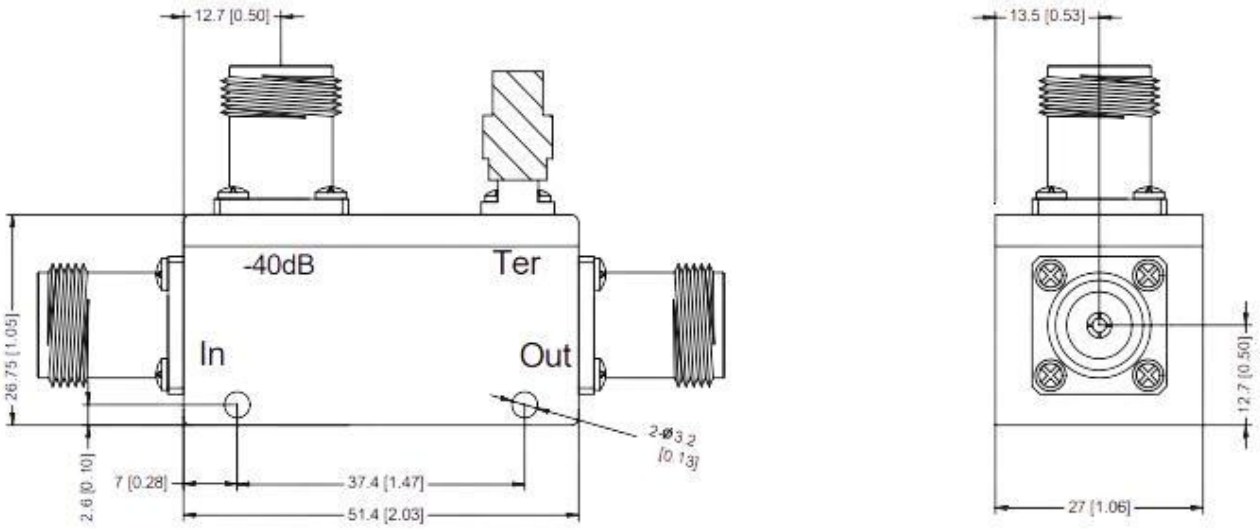
Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-45 to +85	℃
RF Connector	N Female	
Coupling Connector	N Female	
Size	51.4*26.75*27	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-60100-40N-200W	High Power Directional Coupler 6-10GHz, Coulping:40dB, N Female	Rev.1.0