Suzhou Talent Microwave,Inc
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High Power Dual-Directional Coupler

12-18GHz/30dB Coupling/N Female Model: TDC-120180-30N-200W

TDC-120180-30N-200W is a high power dual-directional coupler that delivers a 30 dB nominal coupling level and 10 dB minimum directivity across the full frequency range from 12 to 18GHz. It is a four-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: 12-18GHz
- 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	12		18	GHz
Insertion Loss(Excl coupling)		0.4	0.8	dB
Coupling		30±1.2		dB
Directivity	10	12		dB
Main Line VSWR			1.6	:1
Power Handling			200	W
Impedance		50		Ohms

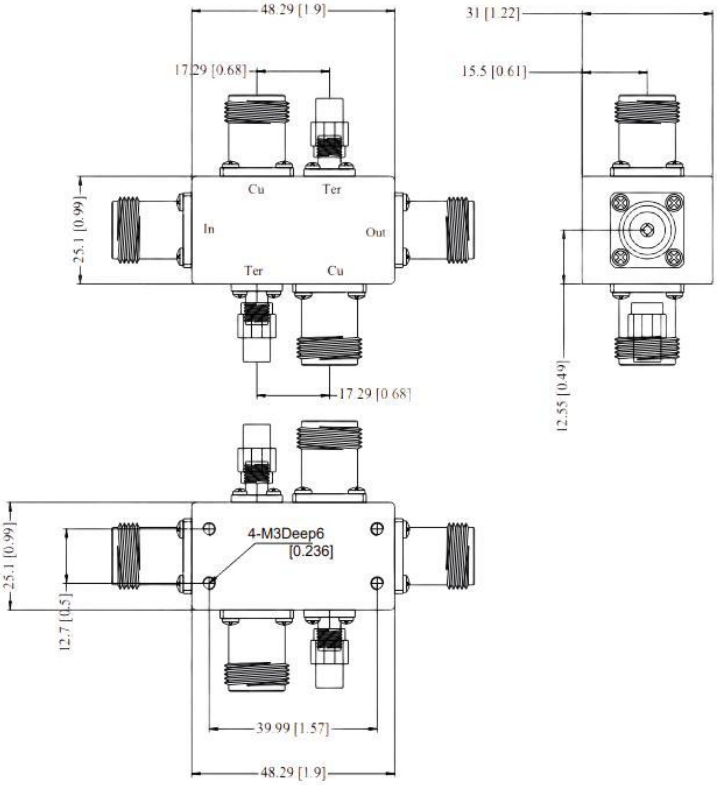
Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-45 to +85	℃
RF Connector	N Female	
Coupling Connector	N Female	
Size	48.29*25.1*31	mm

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Outline Drawing:

Unit:mm



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

Ordering Information:

Base Number	Description	Revision
TDC-120180-30N-200W	High Power Dual-Directional Coupler 12-18GHz, Coulping:30dB, N Female	Rev.1.0