泰莱微波
Talent Microwave

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

High Power Dual-Directional Coupler

100KHz-1GHz/40dB Coupling/N Female Model: TDC-100K01-40N-200

TDC-100K01-40N-200 is a high power dual-directional coupler that delivers a 40 dB nominal coupling level and 13 dB minimum directivity across the full frequency range from 100KHz to1GHz. 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: 100KHz-1GHz
- 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		100KHz		1GHz	
Insertion Loss(Excl coupling)				1.0	dB
Coupling			40±1.2		dB
Directivity	@100KHz-1MHz	13			dB
	@1MHz-1GHz	18			dB
Main Line VSWR				1.25	:1
Power Handling				200	W
Impedance			50		Ohms

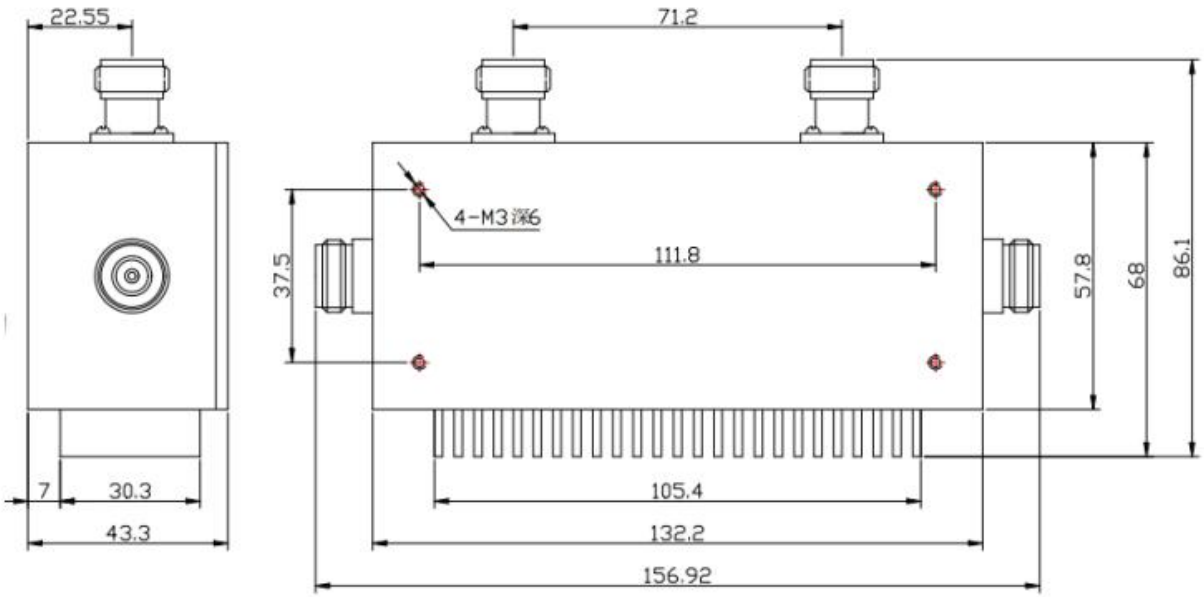
Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-20 to +60	℃
RF Connector	N Female	
Coupling Connector	N Female	
Size	156.92*86.1*43.3	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-100K01-40N-200	High Power Dual-Directional Coupler 100KHz-1GHz, Coulping:40dB, N Female	Rev.1.0