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

High Power Directional Coupler

9KHz-100MHz/50dB Coupling/N Female

Model: TC-9K001-50N-2000

TC-9K001-50N-2000 is a high power directional coupler that delivers a 50 dB nominal coupling level and 16 dB minimum directivity across the full frequency range from 9KHz to 100MHz. 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: 9KHz-100MHz
- Max Power: 2000W
- 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		0.009		100	MHz
Insertion Loss(Excl coupling)				0.25	dB
Coupling			50±1		dB
Coupling flatness				±0.5	dB
Directivity	@9-20KHz	16			dB
	@20KHz-100MHz	20			dB
Main Line VSWR				1.3	:1
Power Handling				2000	W
Impedance			50		Ohms

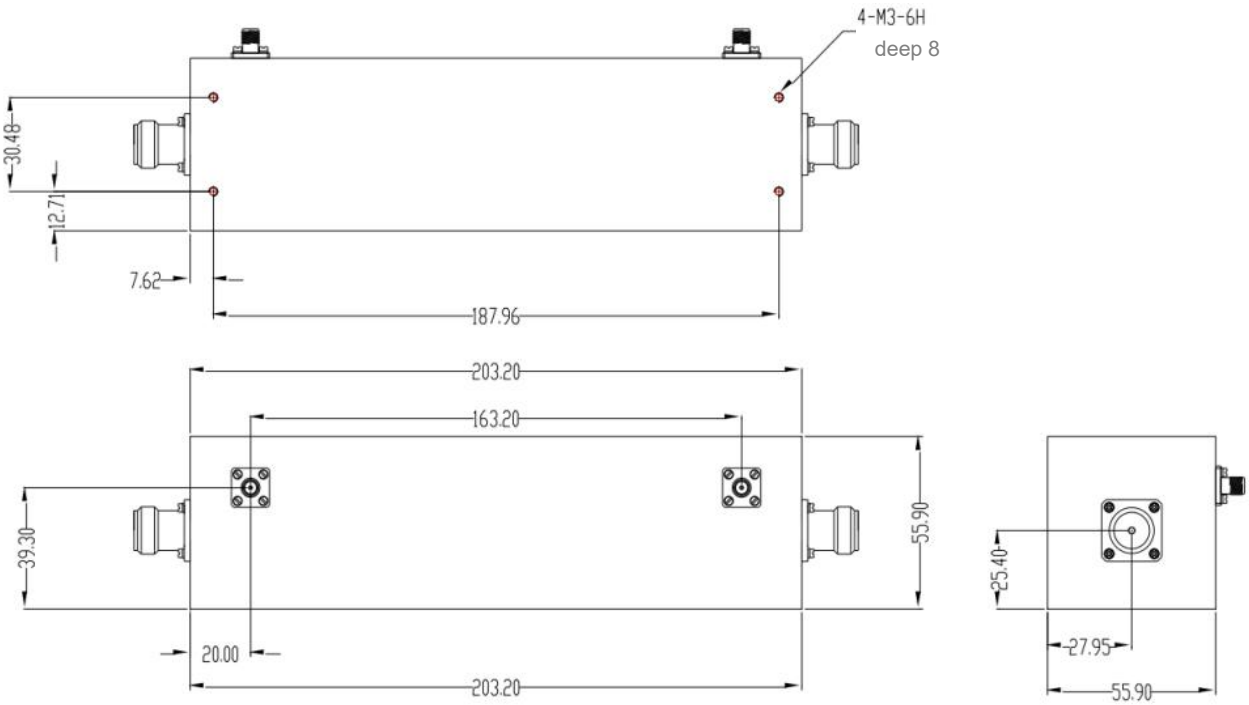
Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-55 to +85	℃
RF Connector	N Female	
Coupling Connector	SMA Female	
Size	203.2*55.9*55.9	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
TC-9K001-50N-2000	High Power Directional Coupler 0.009-100MHz, Coulping:50dB, N Female	Rev.1.0