泰莱微波
Talent Microwave

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High Power Dual-Directional Coupler

9KHz-0.25GHz/60dB Coupling/1-5/8", N-K Model: TDC-9K002-60(1-5/8)-10000

TDC-9K002-60(1-5/8)-10000 is a high power dual-directional coupler that delivers a 60 dB nominal coupling level and 20 dB minimum directivity across the full frequency range from 9KHz to 0.25 GHz. 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: 9KHz-0.25 GHz
- Max Power: 10000W(CW)
- 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		9KHz		0.25	GHz
Insertion Loss(Excl coupling)				0.2	dB
Coupling			60±1		dB
Coupling Flatness				±1	dB
Directivity	@9KHz-100MHz	20			dB
	@100MHz-250MHz	15			
Main Line VSWR				1.3	:1
Power Handling				1000(CW)	W
Impedance			50		Ohms

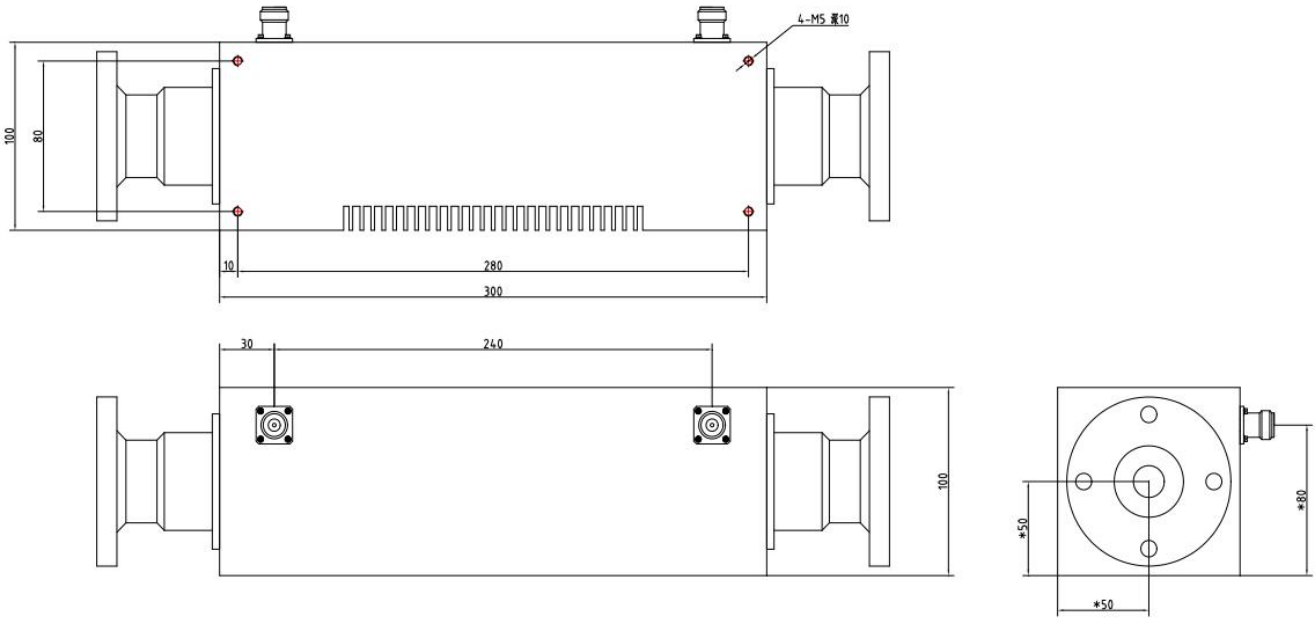
Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-55-+85	℃
RF Connector	1-5/8", N-K	
Finish	Ture color conductive oxide	
Size	300*100*80	mm

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Outline Drawing:

Unit:mm; Tolerance:±0.2mm



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

Ordering Information:

Base Number	Description	Revision
TDC-9K002-60(1-5/8)-10000	High Power Dual-Directional Coupler 9KHz-0.25 GHz, Coulping:60dB, 1-5/8”, N-K	Rev.1.0