Suzhou Talent Microwave,Inc
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High Power Dual-Directional Coupler

6-18GHz/40dB Coupling/N Male&Female Model: TDC-60180-40N-200W

TDC-60180-40N-200W is a high power dual-directional coupler that delivers a 40 dB nominal coupling level and 10 dB minimum directivity across the full frequency range from 6 to 18GHz. 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: 6-18GHz
- 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		6		18	GHz
Insertion Loss(Excl coupling)	@12-18GHz			0.4	dB
	@6-12GHz			0.3	
Frequency Sensitivity			±0.7	±1.0	dB
Coupling			40±1.5		dB
Directivity		10	12		dB
Main Line VSWR			1.3	1.4	:1
Multi-line VSWR			1.4	1.5	:1
Power Handling	@12-18GHz		200		W
	@6-12GHz		300		W
Peak Power		3KW(10% Duty Cycle, 1 us Pulse Width)			
Impedance			50		Ohms

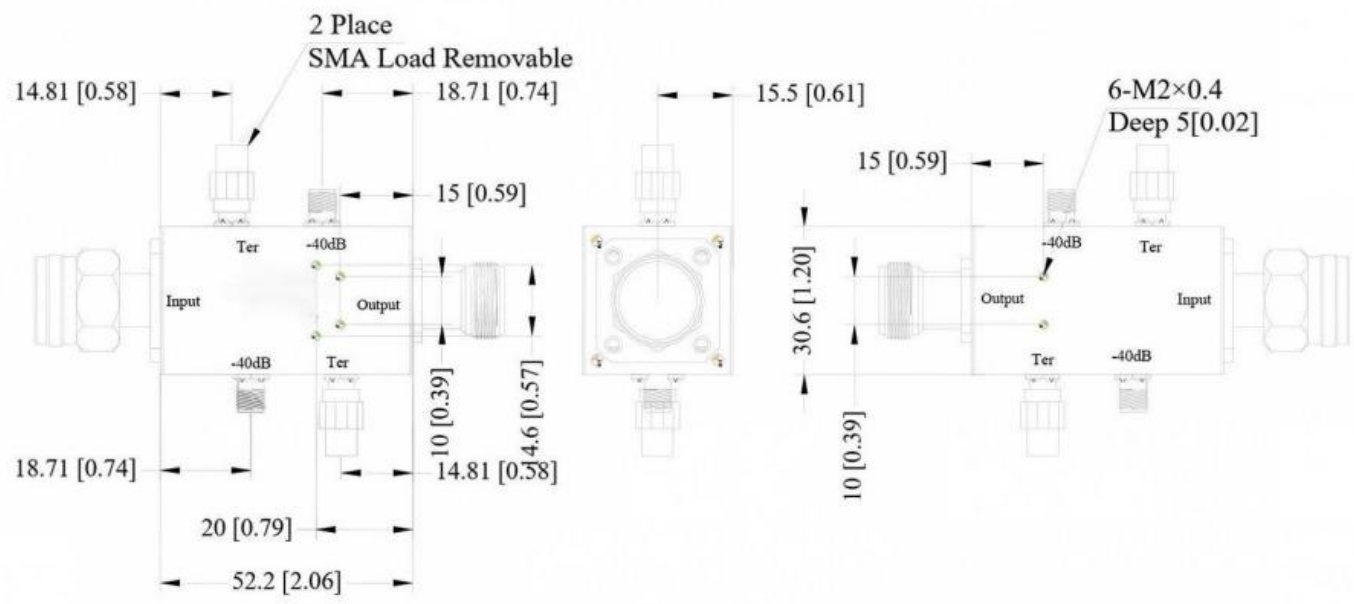
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Mechanical Specifications:

Parameter	Value	Units
RF Connector	N Female/N Male	
Coupling Connector	SMA Female	
Size	52.2*30.6*31	mm

Outline Drawing:

Unit:mm



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

Ordering Information:

Base Number	Description	Revision
TDC-60180-40N-200W	High Power Dual-Directional Coupler 6-18GHz, Coulping:40dB, N Male/Female	Rev.1.0