

Coax Directional Coupler

6-18GHz/40dB Coupling/N Female/Male

Model: TDC-60180-40N-200W

TDC-60180-40N-200W is a coax 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 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: 6-18GHz
- Max Power: 200W
- Stackable mechanical design
- Low Insertion Loss
- Moderate Directivity
- 50 Ohm Matched Input / Output

Applications:

- Test Labs
- Instrumentations
- Sub-assemblies

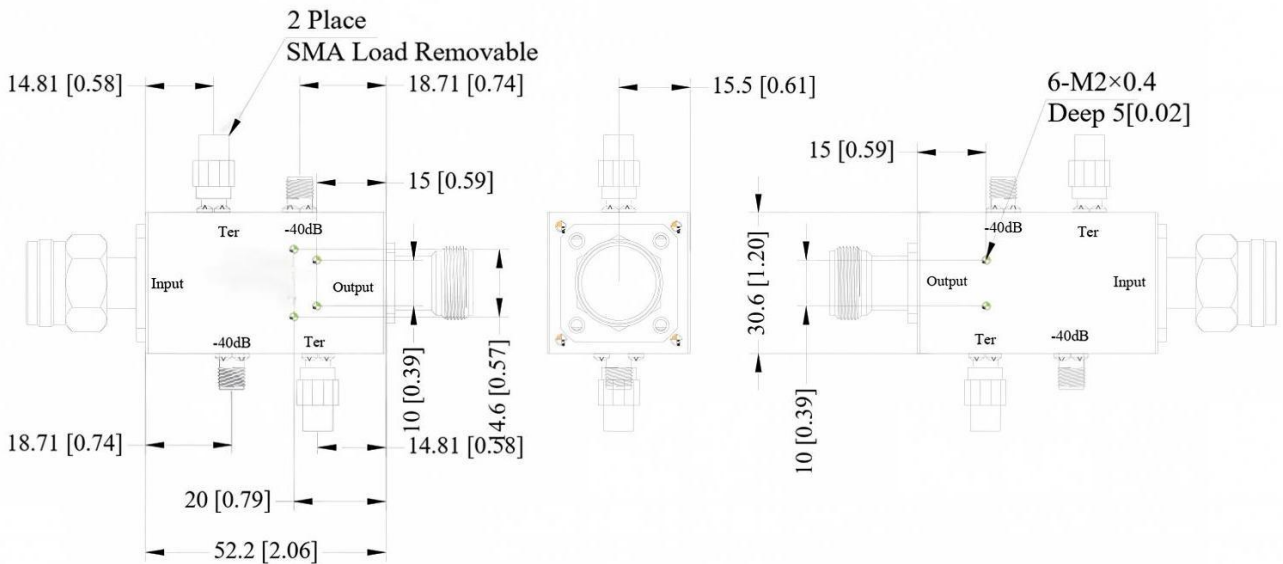
电气特性 Electrical Characteristics:

参数 Parameter		Min	Typ	Max	单位 Units
工作频率 Frequency Range		6		18	GHz
插入损耗 Insertion Loss	@12-18GHz			0.4	dB
	@6-12GHz			0.3	dB
频率灵敏度 Frequency Sensitivity			±0.7	±1.0	dB
耦合度 Coupling			40±1.5		dB
方向性 Directivity		10	12		dB
主线驻波 Main Line VSWR			1.3	1.4	:1
复线驻波 Multi-line VSWR			1.4	1.5	:1
耐功率 Power Handling	@12-18GHz		200		W
	@6-12GHz		300		W
峰值功率 Peak Power		3KW(10% Duty Cycle, 1 us Pulse Width)			
阻抗 Impedance			50		Ohms

环境和机械特性 Envrionmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
输入/输出接口 Input/Output Port	N Female/N Male	
耦合接口 Coupling Port	SMA Female	
尺寸 Size	52.2*30.6*31	mm

外形图 Outline Drawing: Unit:mm



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

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TDC-60180-40N-200W	Coax Directional Coupler 6-18GHz, Coupling:40dB, N Male/N Female	Rev.1.0