泰莱微波 Talent Microwave

Suzhou Talent Microwave,Inc
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High Power Dual-Directional Coupler

1-6GHz/40dB Coupling/N Female Model: TDC-010060-40N-500W

TDC-010060-40N-500W is a high power dual-directional coupler that delivers a 40 dB nominal coupling level and 12 dB minimum directivity across the full frequency range from 1 to 6GHz. 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: 1-6GHz
- Max Power: 500W
- 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	1		6	GHz
插入损耗 Insertion Loss(Excl coupling)			0.5	dB
耦合度 Coupling		40±1		dB
方向性 Directivity	12			dB
主线驻波 Main Line VSWR			1.4	:1
耦合口驻波 Coupling Port VSWR			1.7	:1
耐功率 Power Handling			500	W
阻抗 Impedance		50		Ohms

机械特性 Mechanical Specifications:

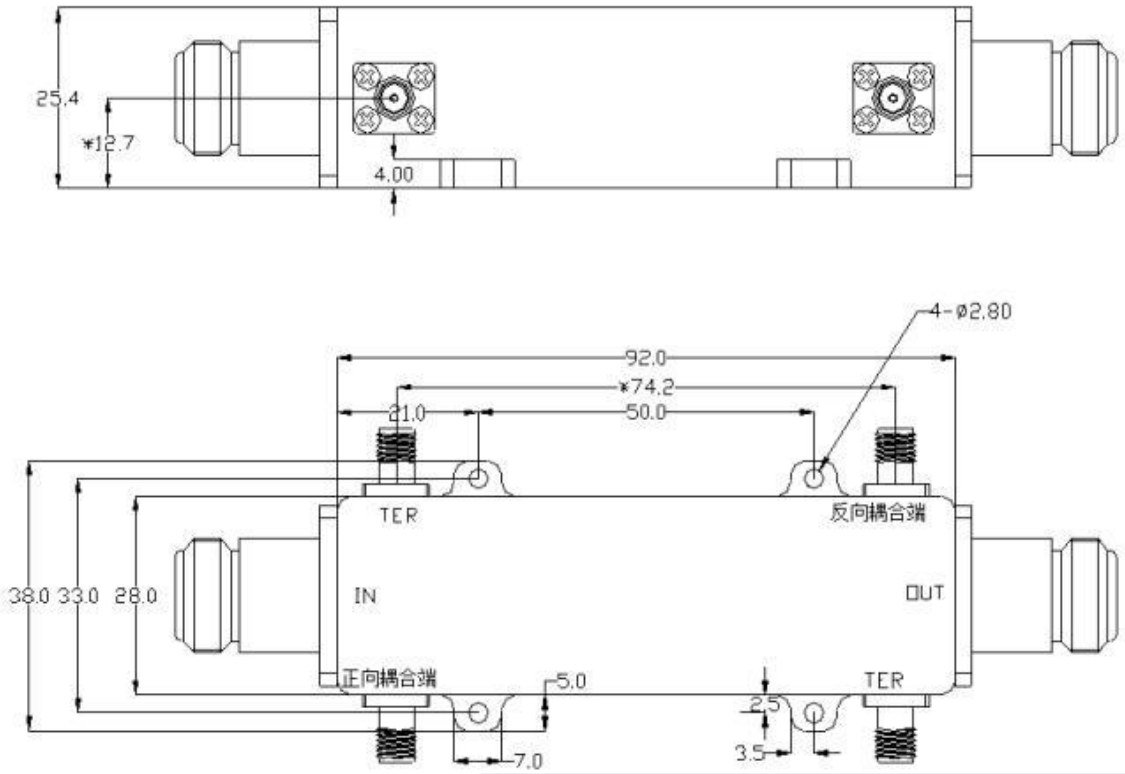
参数 Parameter	指标 Value	单位 Units
操作温度 Operating Temperature	-55 to +85	℃
RF接口 RF Connector	N Female	
耦合接口 Coupling Connector	SMA Female	
尺寸 Size	92*38*25.4	mm

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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-010060-40N-500W	High Power Dual-Directional Coupler 1-6GHz, Coulping:40dB, N/SMA Female	Rev.1.0