泰莱微波
Talent Microwave

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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

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	1		6	GHz
Insertion Loss(Excl coupling)			0.5	dB
Coupling		40±1		dB
Directivity	12			dB
Main Line VSWR			1.4	:1
Coupling Port VSWR			1.7	:1
Power Handling			500	W
Impedance		50		Ohms

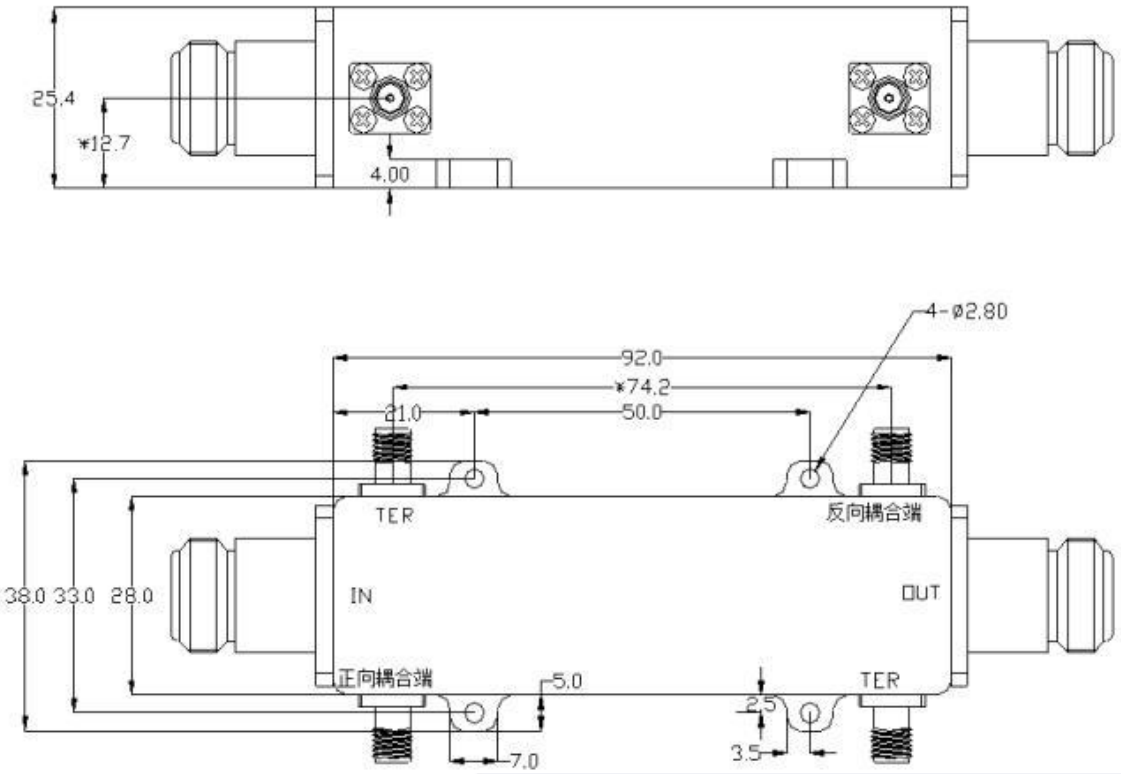
Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-55 to +85	℃
RF Connector	N Female	
Coupling Connector	SMA Female	
Size	92*38*25.4	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
TDC-010060-40N-500W	High Power Dual-Directional Coupler 1-6GHz, Coulping:40dB, N/SMA Female	Rev.1.0