泰莱微波
Talent Microwave

Suzhou Talent Microwave,Inc
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High Power Directional Coupler

6-18GHz/40dB Coupling/N Female

Model: TC-060180-40N-250

TC-060180-40N-250 is a high power 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: 250W
- 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)			0.7	dB
Coupling		40±2		dB
Directivity	10			dB
Main Line VSWR			1.4	:1
Secondary Line VSWR			1.8	:1
Power Handling	250			W
Impedance		50		Ohms

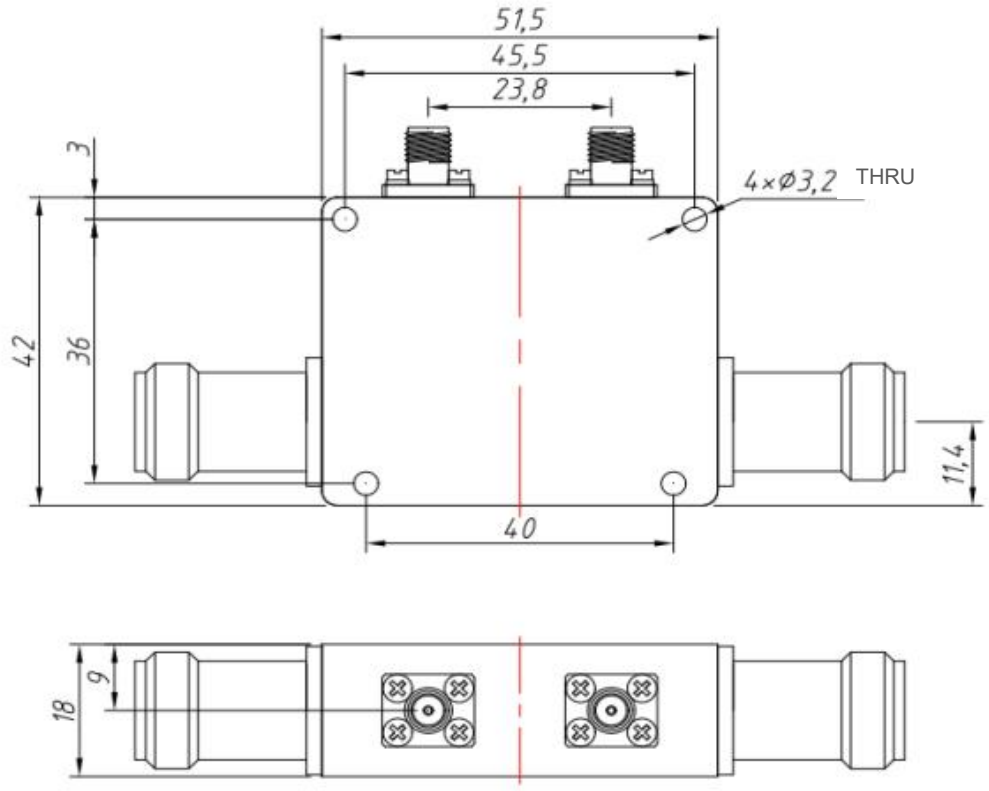
Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-55 to +85	℃
RF Connector	N Female	
Coupling Connector	SMA Female	
Size	51.5*42*18	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
TC-060180-40N-250	High Power Directional Coupler 6-18GHz, Coulping:40dB, N Female	Rev.1.0