泰莱微波
Talent Microwave

Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

High Power Directional Coupler

2-18GHz/30dB Coupling/N-K/SMA-K Model: TC-20180-30N-250W

TC-2180-30N-250W is a high power directional coupler that delivers a 30 dB nominal coupling level and 12 dB minimum directivity across the full frequency range from 2 to 18GHz. It is a 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: 2-18GHz
- Max Power:250W(CW)
- 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	2		18	GHz
Insertion Loss(Excl coupling)			0.8	dB
Coupling		30±1.5		dB
Directivity	12			dB
VSWR			1.5	:1
Power Handling		250(CW)		W
Impedance		50		Ohms

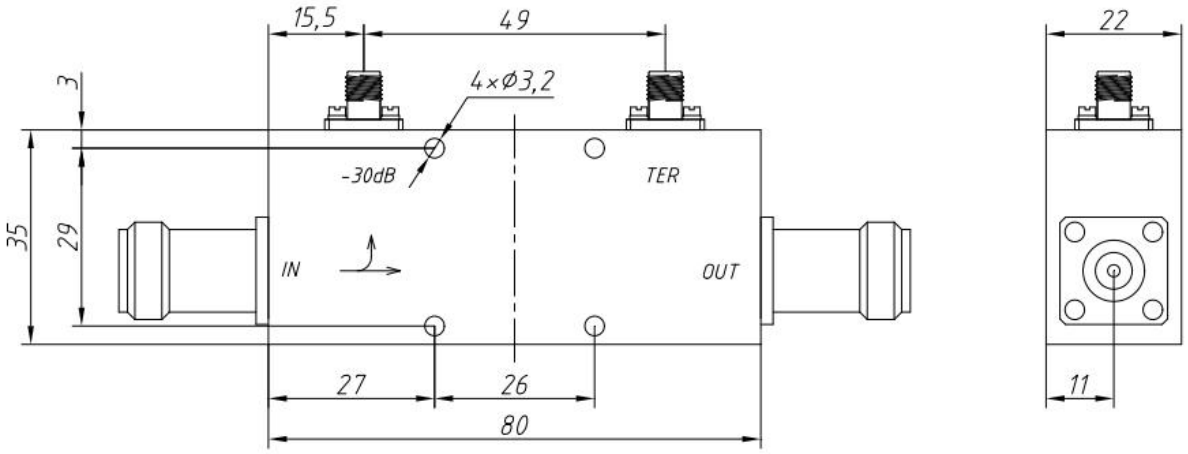
Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-55-+85	℃
RF Connector	N Femlae	
Terminations and Coupling Port	SMA Female	
Finish	Conductive oxidation	
Size	80*35*22	mm

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Outline Drawing:

Unit:mm; Tolerance:±0.2mm



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

Ordering Information:

Base Number	Description	Revision
TC-2180-30N-250W	High Power Directional Coupler 2-18 GHz, Coulping:30dB, N-K/ SMA-K	Rev.1.0