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

High Power Directional Coupler

850-950MHz/20dB Coupling/N Female

Model: TC-0909-20N-100W

TC-0909-20N-100W is a high power directional coupler that delivers a 20 dB nominal coupling level and 20 dB minimum directivity across the full frequency range from 850 to 950 MHz. 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: 850-950MHz
- Max Power: 100W
- 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	850		950	MHz
Insertion Loss(Excl coupling)			0.4	dB
Coupling		20±1		dB
Directivity	20			dB
Main Line VSWR			1.3	:1
Power Handling			100	W
Impedance		50		Ohms

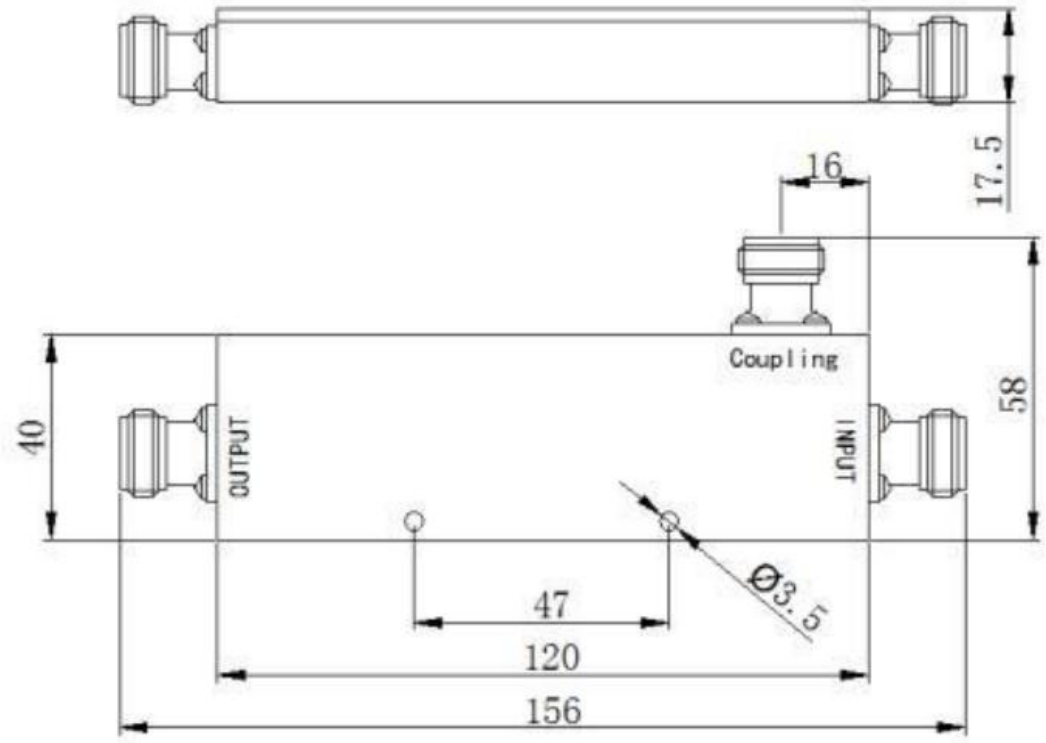
Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-30 to +60	℃
RF Connector	N Female	
Coupling Connector	N Female	
Size	156*58*17.5	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-0909-20N-100W	High Power Directional Coupler 850-950MHz, Coulping:20dB, N Female	Rev.1.0