泰莱微波
Talent Microwave

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

Coax Directional Coupler

0.5-2GHz/40dB Coupling/SMA Female

Model: TC-0520-40S

TC-0520-40S is a coaxial directional coupler that delivers a 40 dB nominal coupling level and 16 dB minimum directivity across the full frequency range from 0.5 to 2 GHz. 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: 0.5-2GHz
- Coupling: 40dB Typ
- 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	0.5		2	GHz
Insertion Loss (Excl Coupling)			0.5	dB
Coupling		40±1.5		dB
Directivity	16			dB
Power Handling			30	W
VSWR			1.3	:1
Impedance		50		Ohms

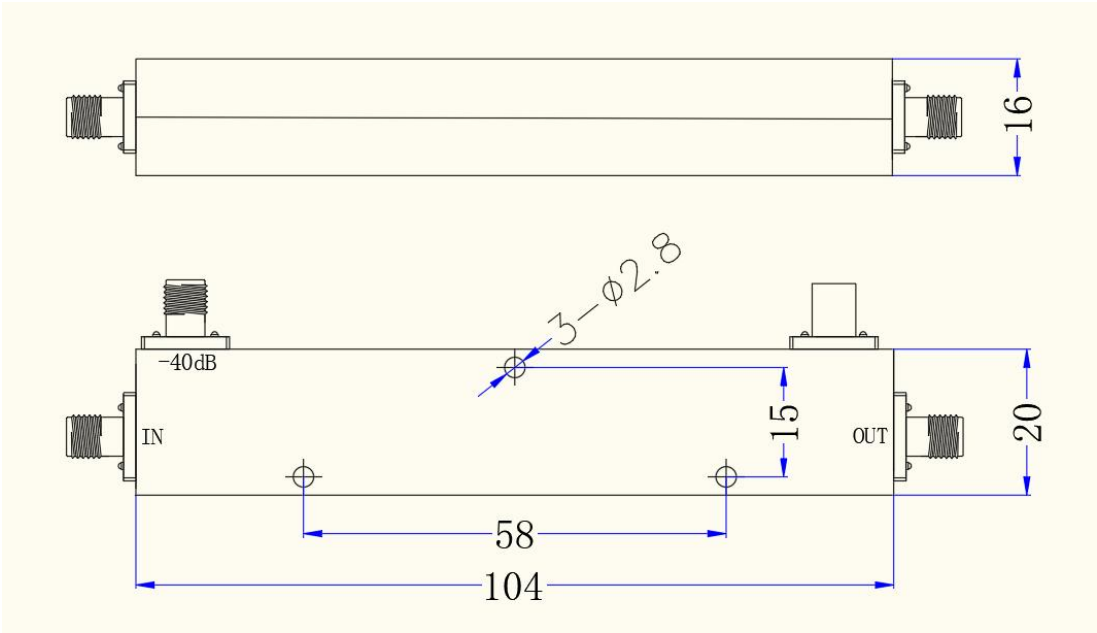
Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-55-+85	℃
Input/Output Connector	SMA Female/SMA Female	
Size	104*20*16	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-0520-40S	Coaxial Directional Coupler 0.5-2GHz, Coulping:40dB, SMA Female	Rev.1.0