泰莱微波
Talent Microwave

Suzhou Talent Microwave,Inc
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3dB Coaxial 90 Degree Hybrid Coupler

1.7-2.3GHz/90-Degrees

Model: TBG-1723-3N-90-200W

The TBG-1723-3N-90-200W is a coaxial 90 degree hybrid coupler that operates over a 1.7 to 2.3GHz bandwidth, with typical 3 dB coupling and maximum 0.4dB insertion loss. The minimum port to port isolation for the coupler is 18dB. The input and output port configuration offers coax adapter structure with N female.

Features:

- Frequency range: 1.7-23.GHz
- Insertion Loss: 0.4dB Max
- Coupling: 3dB Typ
- Designed for Optimal Phase/Amplitude Balance

Applications:

- Communication systems
- Lab Test
- Instrumentations

电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency range	1.7		2.3	GHz
插损 Insertion Loss			0.4	dB
耦合度 Coupling		3		dB
隔离度 Isolation	18			dB
幅度平衡 Amplitude Balance			±0.8	dB
相位平衡 Phase Balance			±5	°
驻波 VSWR			1.4	:1
耐功率 Power Handling			200	W
阻抗 Impedance		50		Ohms

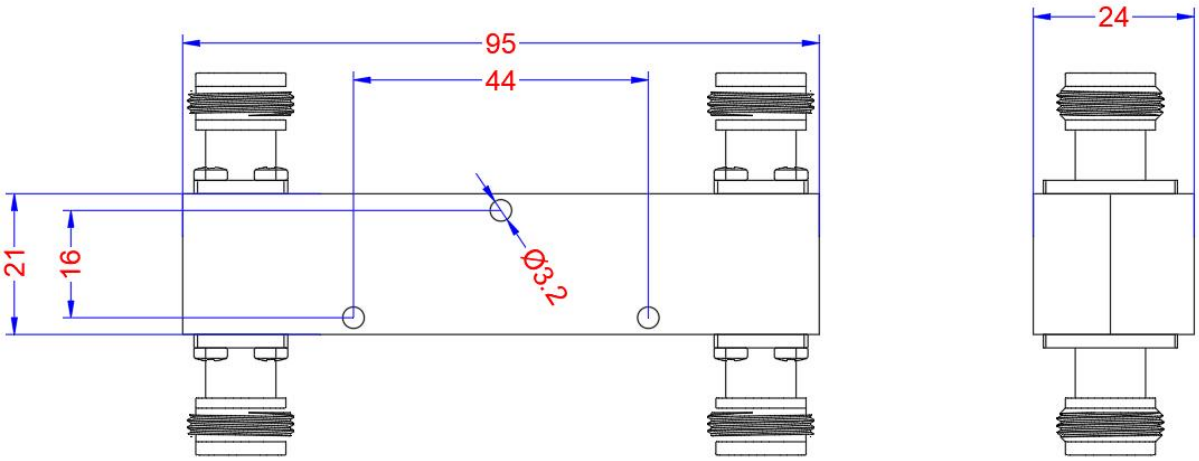
机械特性 Mechanical Specifications:

参数 Parameter	指标 Value	单位 Units
操作温度 Operating Temerature	-40 To +70	℃
相对湿度 Relative Humidity	0~90	%
输入/输出接口 Input /Output Connector	N Female/N Female	
尺寸 Size	95*21*24	mm

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外形图 Outline Drawing:

Unit:mm



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

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TBG-1723-3N-90-200W	3dB Coaxial 90 Degree Hybrid Coupler, 1.7-23.GHz, N Female	Rev.1.0