泰莱微波 Talent Microwave

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

6-Way Coaxial Power Combiner

6-18GHz /1.6dB,Insertion Loss/18 dB,Isolation

Model: RS6W60180-S

The RS6W60180-S is a coaxial 6-way power combiner with insertion loss of 1.6 dB at each output port and isolation of 18 dB across the frequency range of 6 to 18 GHz. The power combiner has a forward power handling of 30 W (CW) and amplitude balance of ±0.8 dB. The VSWR for input ports is 1.7/1.5:1 and output port is 1.5:1. The RF connectors of the power combiner are SMA female connectors.

Features:

- Ultra Wide Band:6-18GHz
- Low Insertion Loss

Applications:

- Test Lab
- Sub-assemblies
- Test Instrumentations

电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency range		6-18		GHz
插损 Insertion Loss			1.6	dB
幅度平衡 Amplitude Balance		±0.8		dB
相位平衡 Phase Balance		±8		°
端口隔离 Port Isolation	18			dB
耐受功率 Power Handling		30		W
输入驻波 Input VSWR			1.7	:1
输出驻波 Output VSWR			1.5	:1
阻抗 Impedance		50		Ohms

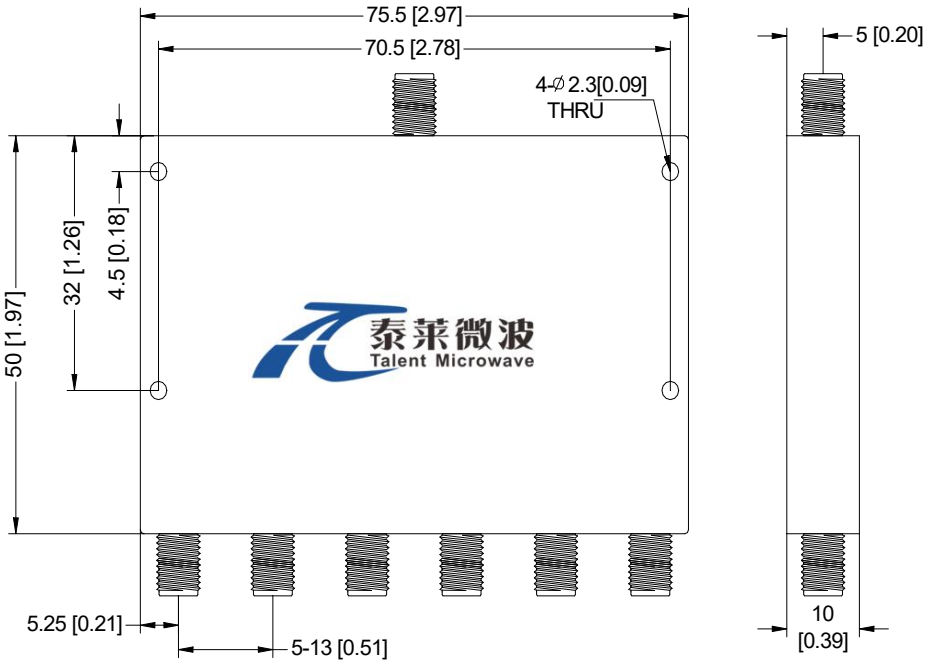
机械特性 Mechanical Specifications:

参数 Parameter	指标 Value	单位 Units
输入/输出接口 Input /Output Connector	SMA Female/SMA Female	
尺寸 Size	75.5*50*10	mm
重量 Weight	/	g

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

外形图 Outline Drawing:

Unit:mm





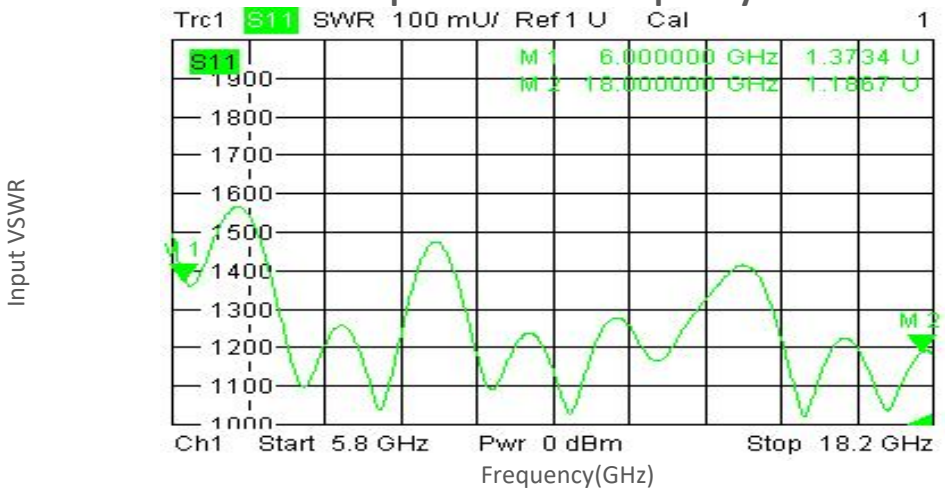
订货信息 Ordering Information:

标准型号 Base Number	描述 Desciption	版本号 Revision
RS6W60180-S	6-Way Coaxial Power combiner, 6-18GHz, Insertion loss:1.6dB,Max; Port Isolation:18 dB, Min	Rev.1.1

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

典型曲线 Typical Performance Data:

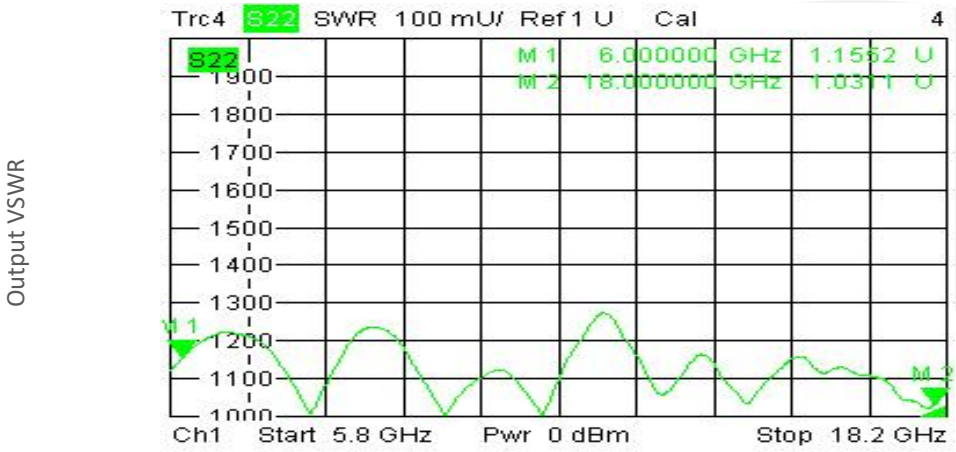
Input VSWR vs Frequency



Input VSWR

Frequency(GHz)

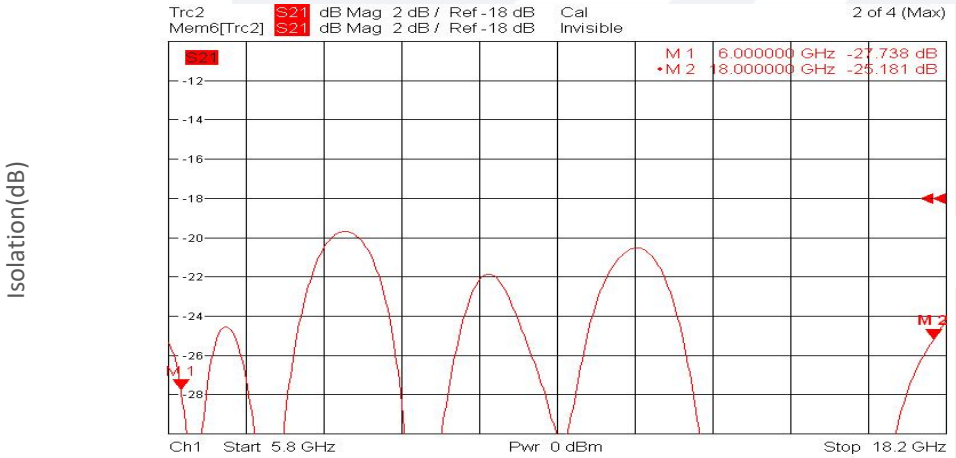
Output VSWR vs Frequency



Output VSWR

Frequency(GHz)

Isolation vs Frequency



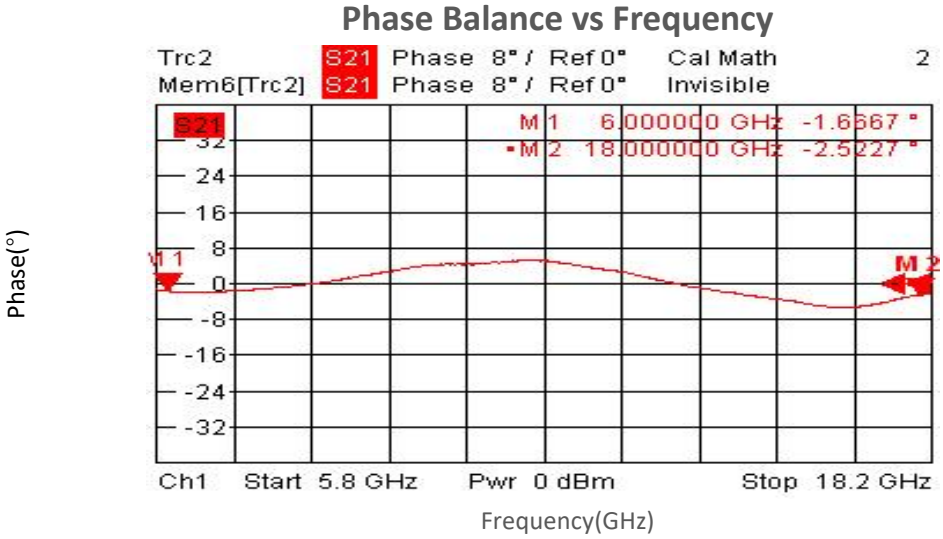
Isolation(dB)

Frequency(GHz)

Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

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

典型曲线 Typical Performance Data:



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.