

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

Electrical Characteristics:

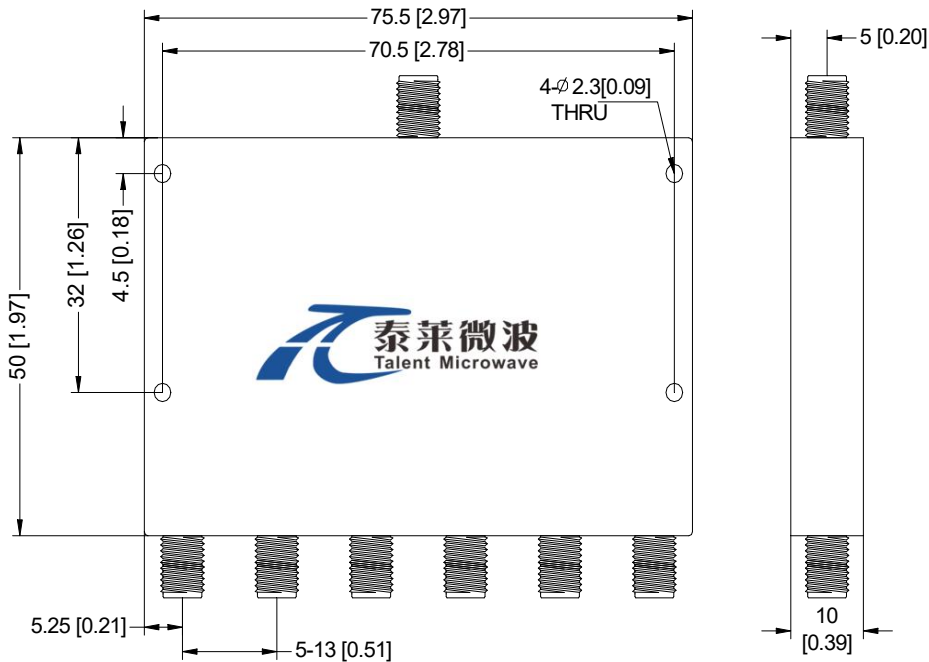
Parameter	Min	Typ	Max	Units
Frequency range	6-18			GHz
Insertion Loss			1.6	dB
Amplitude Balance		± 0.8		dB
Phase Balance		± 8		°
Port Isolation	18			dB
Power Handling		30		W
Input VSWR			1.7	:1
Output VSWR			1.5	:1
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Female	
Size	75.5*50*10	mm
Weight	/	g

Outline Drawing:

Unit:mm



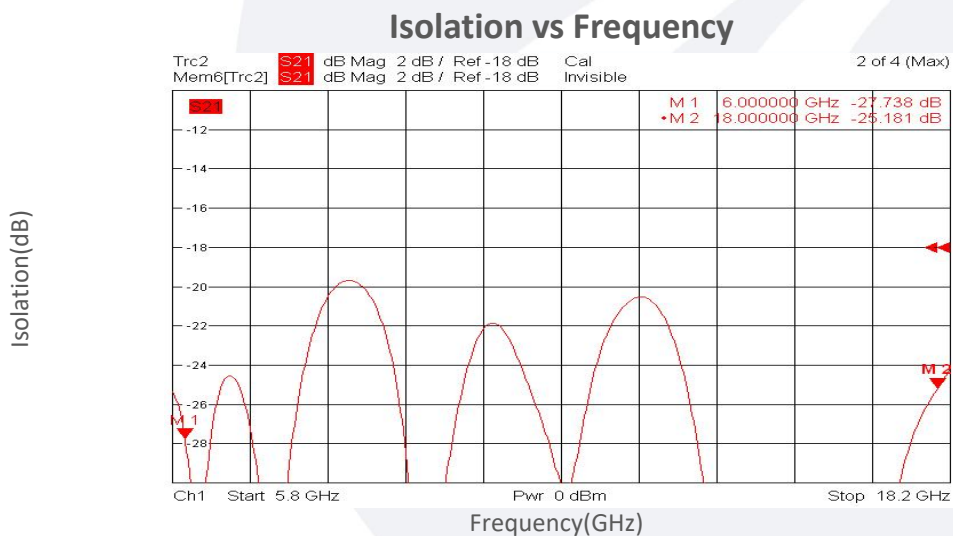
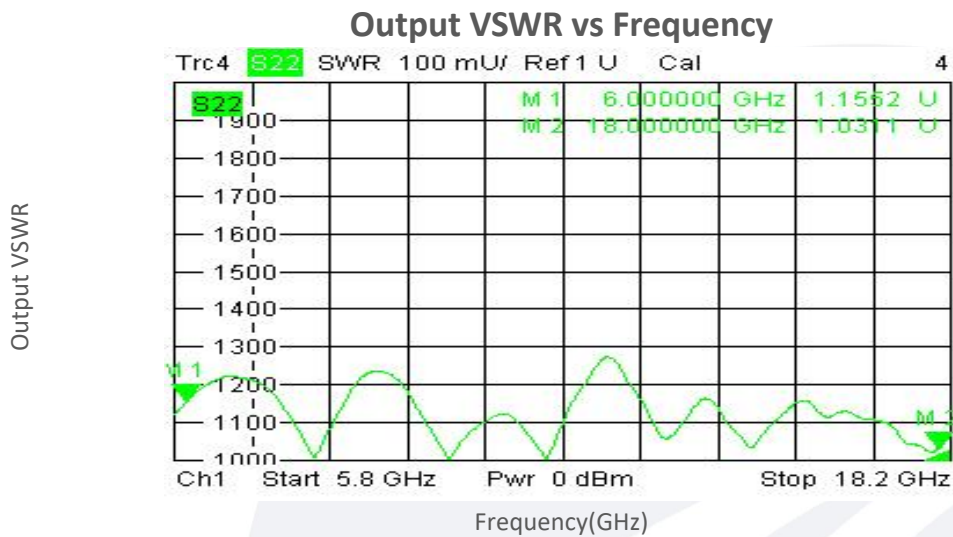
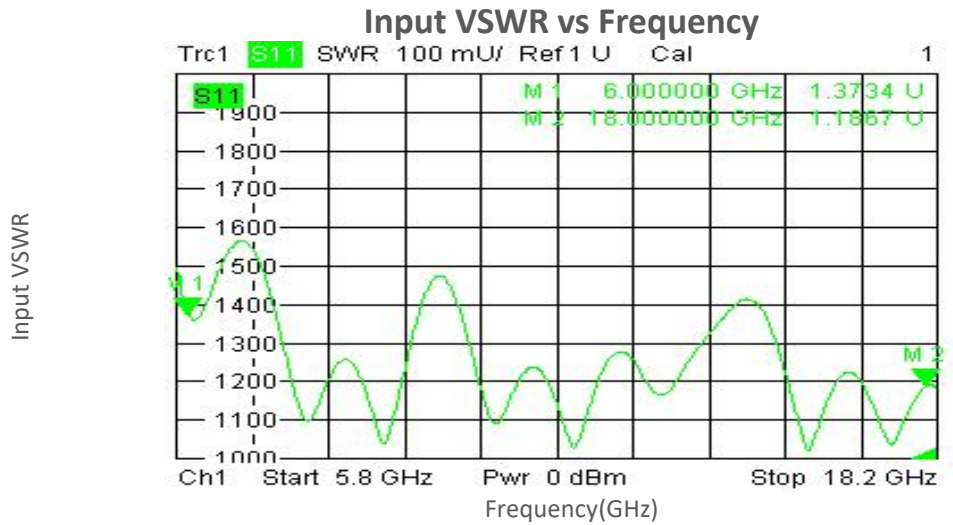
Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	10,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

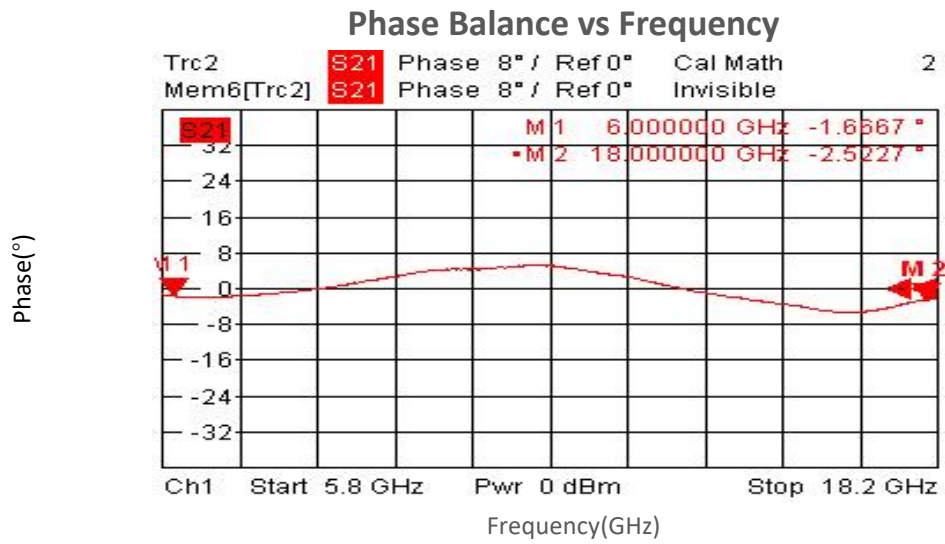
Base Number	Description	Revision
RS6W60180-S	6-Way Coaxial Power combiner, 6-18GHz, Insertion loss:1.6dB,Max; Port Isolation:18 dB, Min	Rev.1.1

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.

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