

## 4-Way Coaxial Power Combiner

800-2500MHz /0.7dB,Insertion Loss/20 dB,Isolation

Model: RS4W0825-N

The RS4W0825-N is a coaxial 4-way power combiner with insertion loss of 0.7 dB at each output port and isolation of 20 dB across the frequency range of 800 to 2500 MHz. The power combiner has a forward power handling of 50 W (CW) and amplitude balance of  $\pm 0.35$  dB. The VSWR for input ports is 1.3:1. The RF connectors of the power combiner are N Female connectors.

### Features:

- Ultra Wide Band:800-2500MHz
- Low Insertion Loss

### Applications:

- Test Lab
- Sub-assemblies
- Test Instrumentations

### Electrical Characteristics:

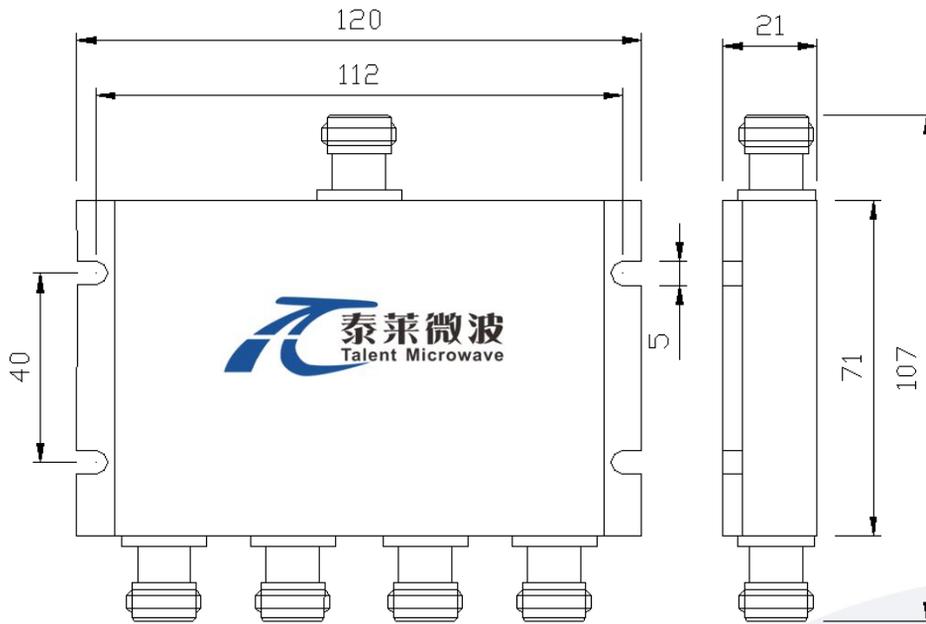
Parameter	Min	Typ	Max	Units
Frequency range	800-2500			MHz
Insertion Loss			0.7 (excluded theoretical 6dB)	dB
Amplitude Balance			$\pm 0.35$	dB
Phase Balance			$\pm 6$	°
Port Isolation	20			dB
Power Handling		50		W
Input VSWR			1.3	:1
Output VSWR			1.3	:1
Impedance	50			Ohms

### Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	N Female/N Female	
Size	120*107*21	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
RS4W0825-N	4-Way Coaxial Power combiner, 800-2500MHz, Insertion loss:0.7dB Max; Port Isolation:20 dB Min	Rev.1.1