

## 4-Way Coaxial Power Combiner

698-2700MHz /0.7dB,Insertion Loss/20 dB,Isolation

Model: RS4W0727-N

The RS4W0727-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 698 to 2700 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:698-2700MHz
- Low Insertion Loss

### Applications:

- Test Lab
- Sub-assemblies
- Test Instrumentations

### 电气特性 Electrical Characteristics:

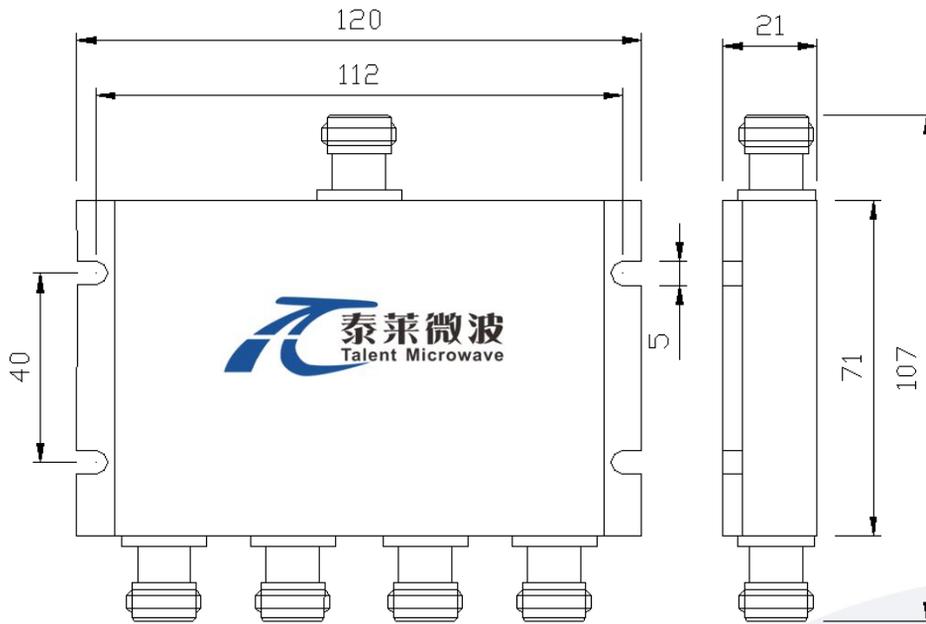
参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency range	698-2700			MHz
插损 Insertion Loss			0.7 (excluded theoretical 6dB)	dB
幅度平衡 Amplitude Balance			$\pm 0.35$	dB
相位平衡 Phase Balance			$\pm 6$	°
端口隔离 Port Isolation	20			dB
耐受功率 Power Handling		50		W
输入驻波 Input VSWR			1.3	:1
输出驻波 Output VSWR			1.3	:1
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	N Female/N Female	
尺寸 Size	120*107*21	mm
重量 Weight	/	g

**外形图 Outline Drawing:**

Unit:mm



**温度环境 Environmental Conditions:**

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

**订货信息 Ordering Information:**

标准型号 Base Number	描述 Description	版本号 Revision
RS4W0727-N	4-Way Coaxial Power combiner, 698-2700MHz, Insertion loss:0.7dB Max; Port Isolation:20 dB Min	Rev.1.1