

NXS-4P-0518 Power Splitter/Combiner

0.5–18 GHz | 4-Way | SMA Female



Features

- ✚ Microstrip design
- ✚ SMA female connectors
- ✚ Frequency range: 500–18000 MHz
- ✚ Low insertion loss
- ✚ Low VSWR
- ✚ High isolation

Applications

- ✚ ISM / Bluetooth testing
- ✚ Wi-Fi communication systems
- ✚ Satellite communication
- ✚ Laboratory test & measurement

Electrical Specifications

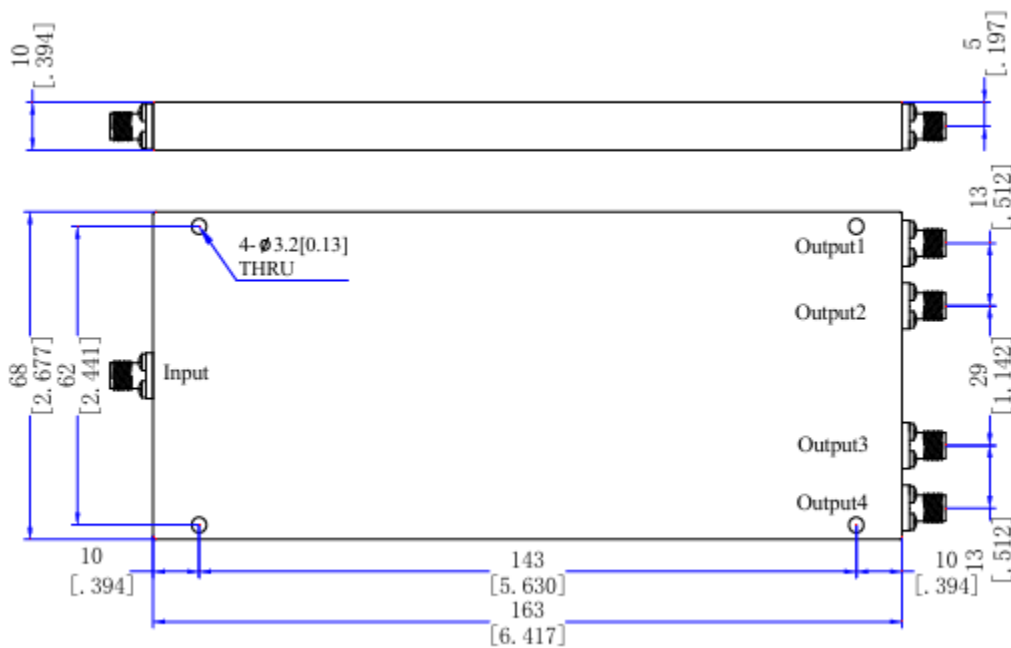
Parameter	Min.	Typ.	Max.	Unit
Frequency Range	500		18000	MHz
Insertion Loss		≤2.5*		dB
Combined Port VSWR		1.3	2.0	–
Distribution Port VSWR		1.2	1.5	–
Isolation	15	24	–	dB
Amplitude Balance	-0.8		0.8	dB
Phase Balance	-8		8	degrees
Impedance		50		Ohms
Power Rating	Splitter:	30		W
	Combiner:	1		W
Operating Temp.	-45		85	°C

* Excluding theoretical loss 6.0 dB

Mechanical Specifications

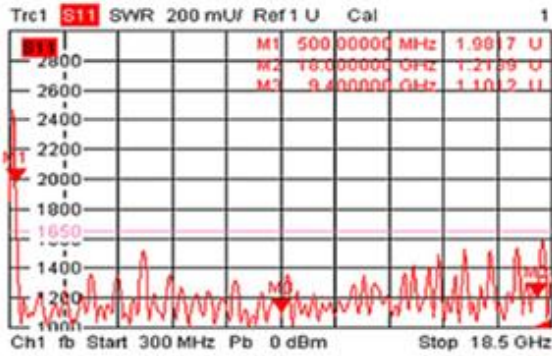
Parameter	Specification
Port Connectors	SMA-Female
Dimensions	163 x 68 x 10 mm
Weight	305 g
Surface Finish	Black Paint

Outline Drawing

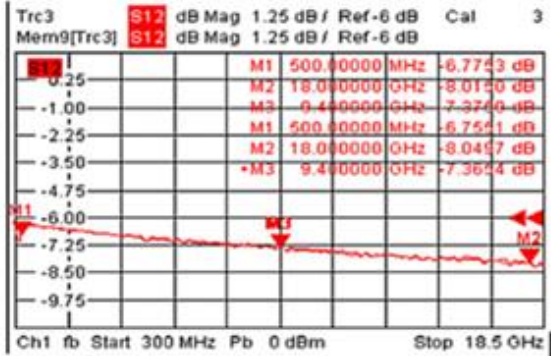


Note: Dimensions(mm/[inch]),General tolerance(± 0.3)

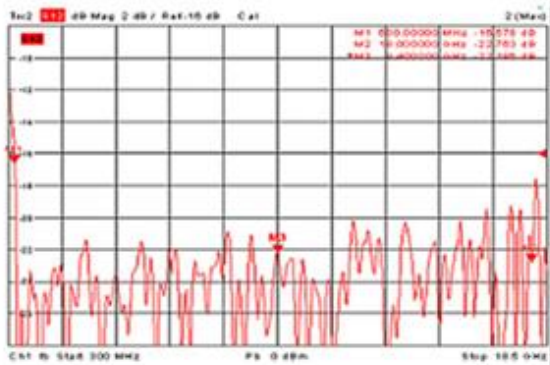
Typical Performance Curves



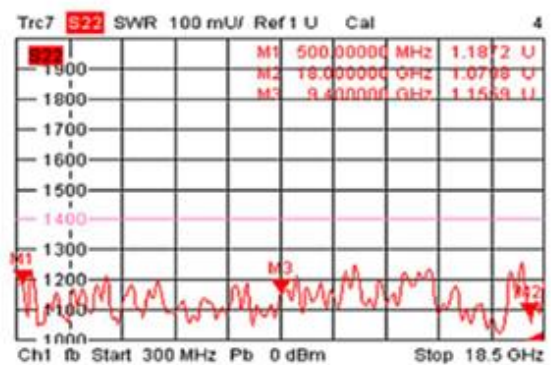
1. Combined Port VSWR



2. Insertion Loss



3. Isolation



4. Distribution Port VSWR