

NXS-8P-0218 Power Splitter/Combiner

2-18 GHz | 8-Way | SMA Female



Features

- ✚ Microstrip design
- ✚ SMA female connectors
- ✚ Frequency range: 2-18 GHz
- ✚ Low insertion loss
- ✚ Low VSWR
- ✚ High isolation

Applications

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

Electrical Specifications

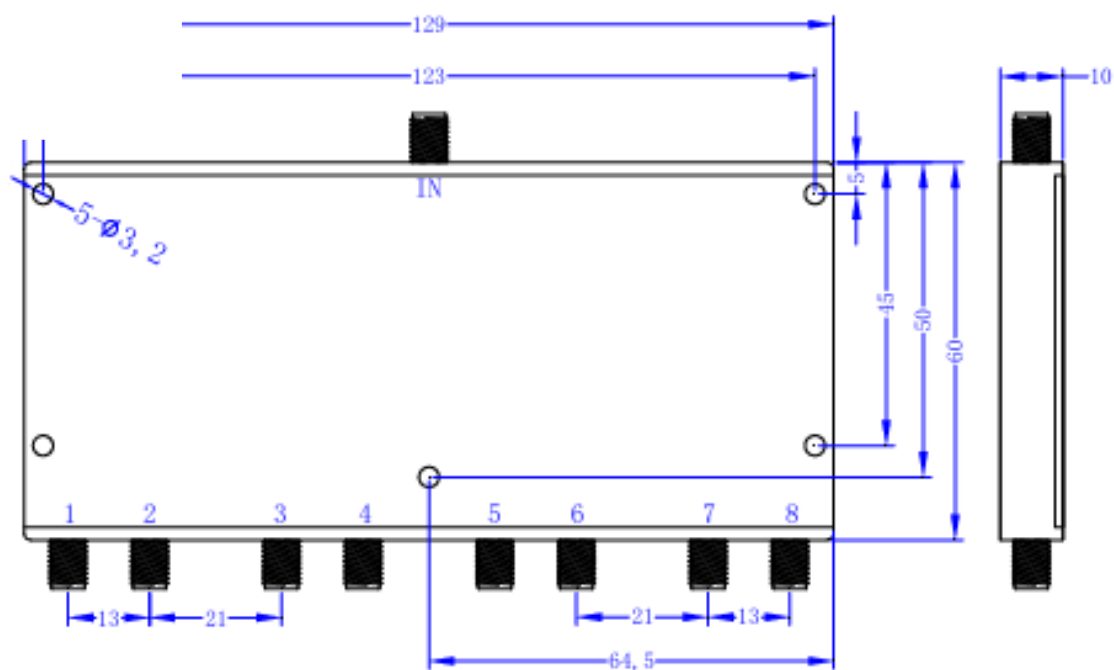
Parameter	Min.	Typ.	Max.	Unit
Frequency Range	2000		18000	MHz
Insertion Loss		≤3.2*		dB
Combined Port VSWR			1.60	—
Distribution Port VSWR			1.50	—
Isolation	16	22	—	dB
Amplitude Balance	-0.5		0.5	dB
Phase Balance	-10		10	degrees
Impedance		50		Ohms
Power Rating		20		W
Operating Temp.	-45		85	°C

* Excluding theoretical loss 9.0 dB

Mechanical Specifications

Parameter	Specification
Port Connectors	SMA-Female
Dimensions	129 x 60 x 10 mm
Weight	229 g
Surface Finish	Black Paint

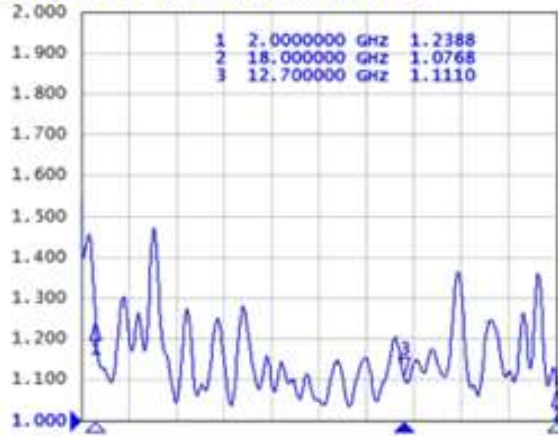
Outline Drawing



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

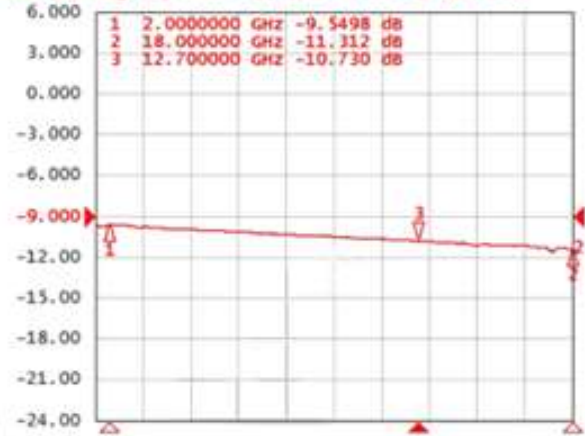
Typical Performance Curves

Tr1 511 SWR 100.0 m/ Ref 1.000 [F2 Smo]



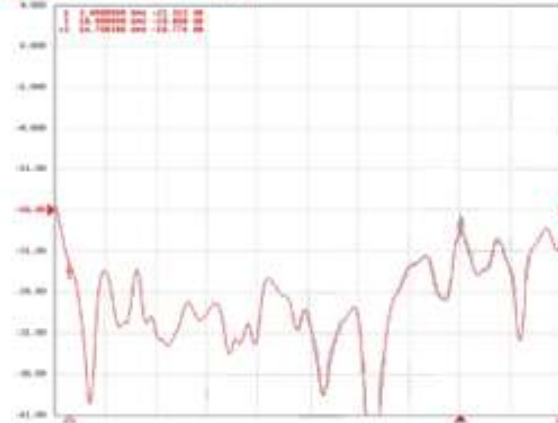
1. Combined Port VSWR

Tr2 521 Log Mag 3.000 dB/ Ref -9.000 dB [F2 Smo]



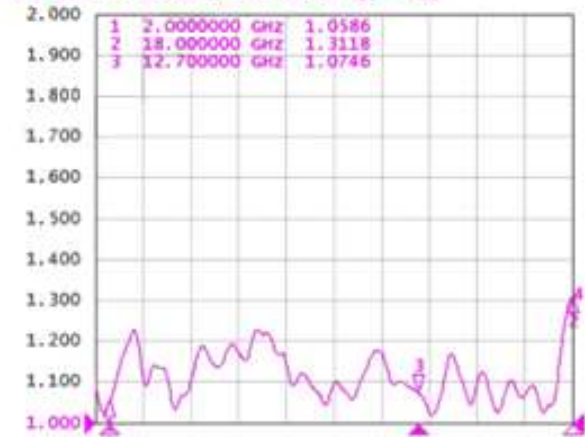
2. Insertion Loss

Tr3 522 Log Mag 3.000 dB/ Ref -9.000 dB [F2 Smo]



3. Isolation

Tr4 522 SWR 100.0 m/ Ref 1.000 [F2 Smo]



4. Distribution Port VSWR