

NXS-4P-28 Power Splitter/Combiner

2–8 GHz | 4-Way | SMA Female



Features

- ✚ Microstrip design
- ✚ SMA female connectors
- ✚ Frequency range: 2–8 GHz
- ✚ Low insertion loss
- ✚ Low VSWR
- ✚ High isolation

Applications

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

Electrical Specifications

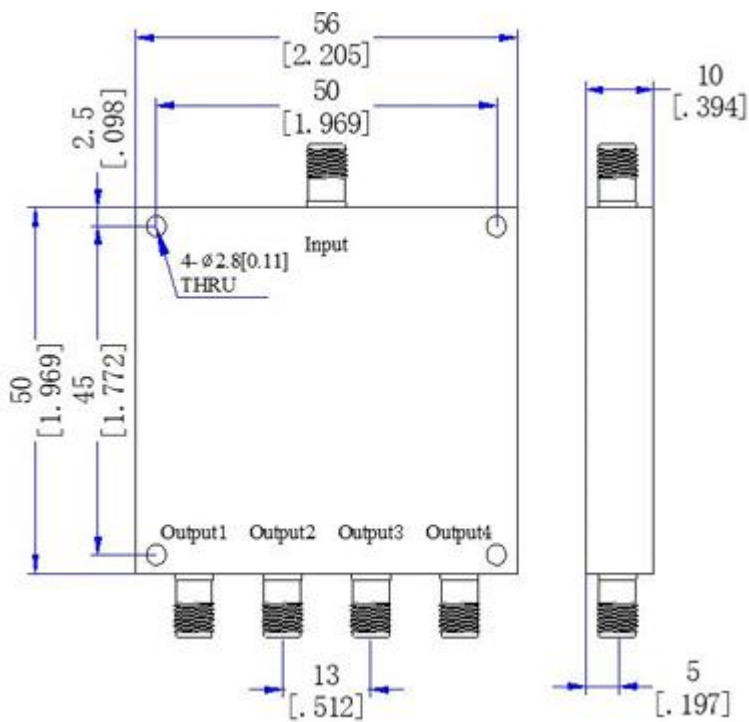
Parameter	Min.	Typ.	Max.	Unit
Frequency Range	2000		8000	MHz
Insertion Loss		≤1.0*		dB
Combined Port VSWR		1.16	1.25	–
Distribution Port VSWR		1.14	1.20	–
Isolation	20	25	–	dB
Amplitude Balance	-0.3		0.3	dB
Phase Balance	-4		4	degrees
Impedance		50		Ohms
Power Rating	Splitter:	30		W
	Combiner:	2		W
Operating Temp.	-45		85	°C

* Excluding theoretical loss 6.0 dB

Mechanical Specifications

Parameter	Specification
Port Connectors	SMA-Female
Dimensions	50 x 56 x 10 mm
Weight	64 g
Surface Finish	Black Paint

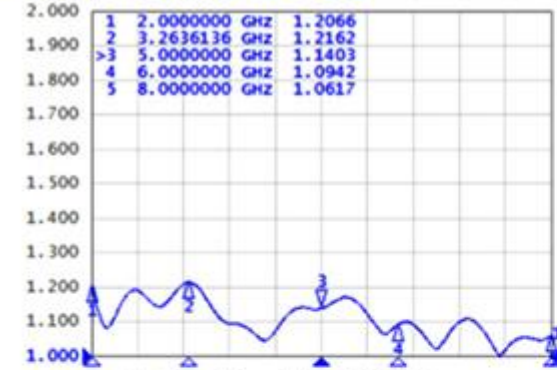
Outline Drawing



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

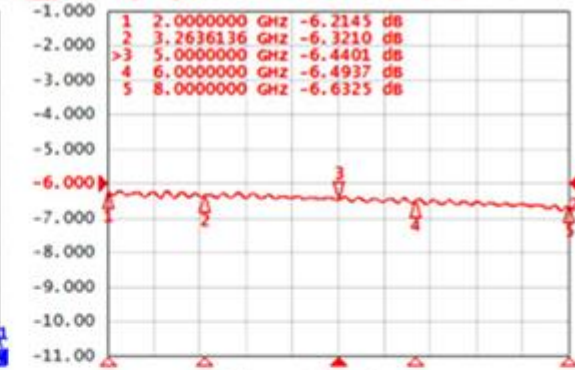
Typical Performance Curves

Tr1 S11 SWR 100.0m/ Ref 1.000 [F2]



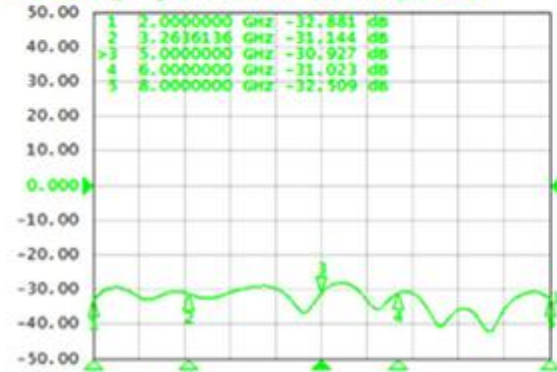
1. Combined Port VSWR

S21 Log Mag 1.000dB/ Ref -6.000dB [F2]



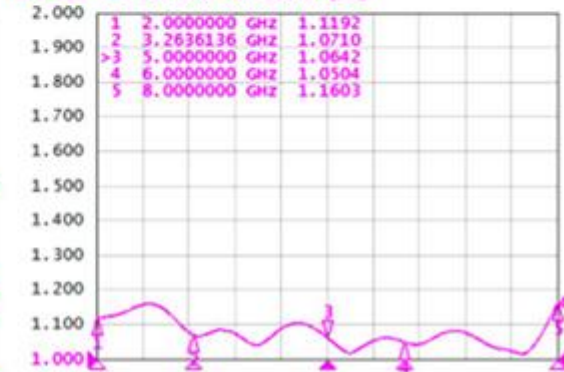
2. Insertion Loss

Tr3 S21 Log Mag 10.00dB/ Ref 0.000dB [F2 Smo]



3. Isolation

Tr4 S22 SWR 100.0m/ Ref 1.000 [F2]



4. Distribution Port VSWR