

## NXS-2P-28 Power Splitter/Combiner

2-8 GHz | 2-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

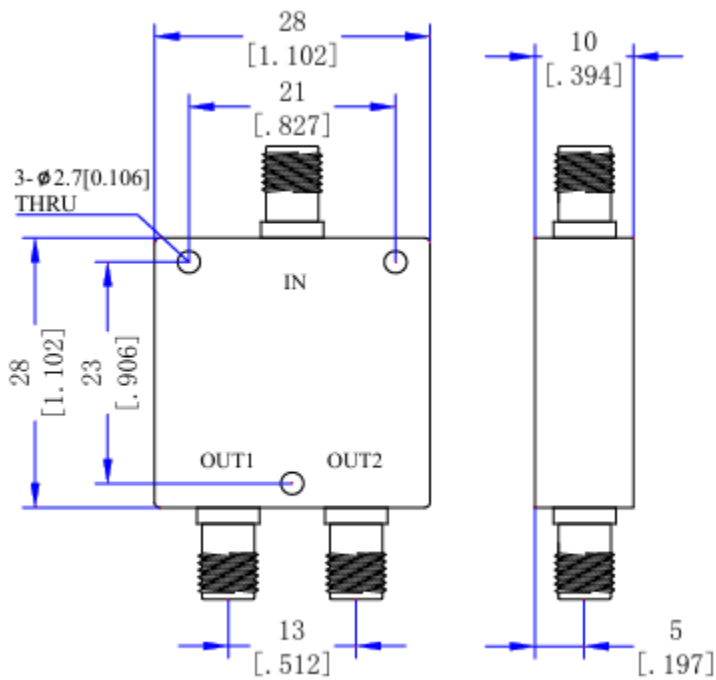
Parameter	Min.	Typ.	Max.	Unit
Frequency Range	2000		8000	MHz
Insertion Loss		≤0.6*		dB
Combined Port VSWR		1.16	1.25	-
Distribution Port VSWR		1.14	1.20	-
Isolation	20	26	-	dB
Amplitude Balance	-0.2		0.2	dB
Phase Balance	-3		3	degrees
Impedance		50		Ohms
Power Rating	Splitter:	30		W
	Combiner:	2		W
Operating Temp.	-45		85	°C

\* Excluding theoretical loss 3.0 dB

## Mechanical Specifications

Parameter	Specification
Port Connectors	SMA-Female
Dimensions	28 x 28 x 10 mm
Weight	21 g
Surface Finish	BlackPaint

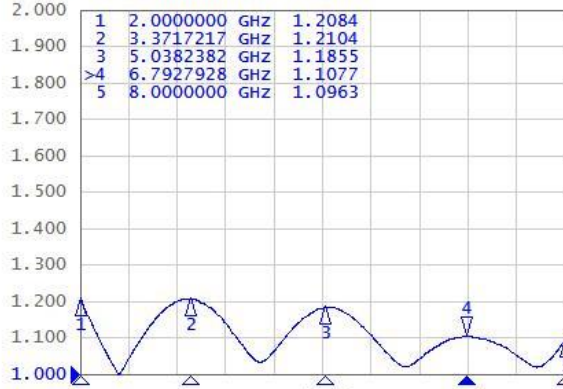
## Outline Drawing



Note: Dimensions(mm/[inch]),General tolerance( $\pm 0.3$ )

## Typical Performance Curves

Tr1 S11 SWR 100.0m/ Ref 1.000 [F2]



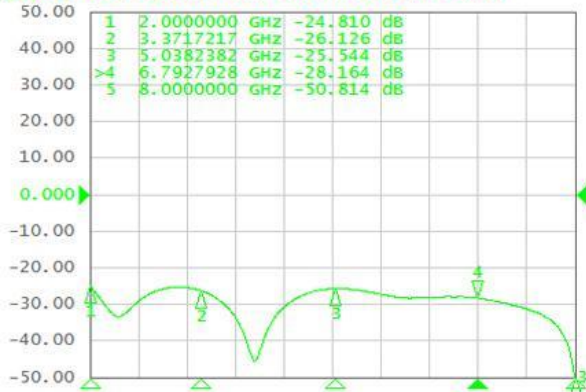
1. Combined Port VSWR

Tr2 S21 Log Mag 1.000dB/ Ref -3.000dB [F2]



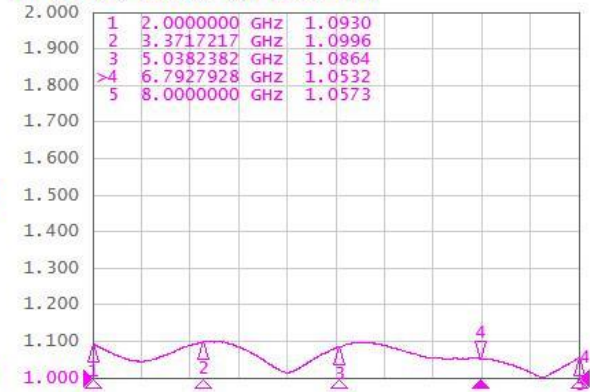
2. Insertion Loss

Tr3 S12 Log Mag 10.00dB/ Ref 0.000dB [F2 Smo]



3. Isolation

Tr4 S22 SWR 100.0m/ Ref 1.000 [F2]



4. Distribution Port VSWR