

NXS-2P-0218 Power Splitter/Combiner

2-18 GHz | 2-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

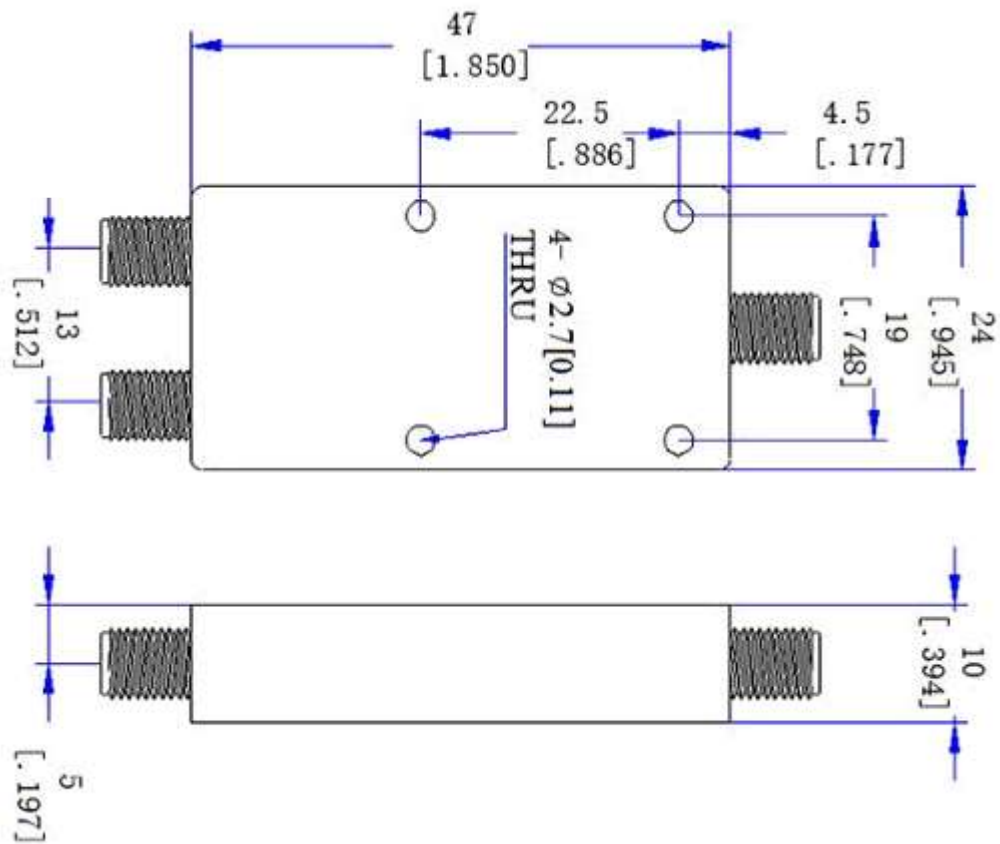
Parameter	Min.	Typ.	Max.	Unit
Frequency Range	2000		18000	MHz
Insertion Loss		≤1.0*		dB
Combined Port VSWR		1.25	1.40	—
Distribution Port VSWR		1.10	1.25	—
Isolation	18	25	—	dB
Amplitude Balance	-0.3		0.3	dB
Phase Balance	-4		4	degrees
Impedance		50		Ohms
Power Rating	Splitter:	20		W
	Combiner:	1		W
Operating Temp.	-45		85	°C

* Excluding theoretical loss 3.0 dB

Mechanical Specifications

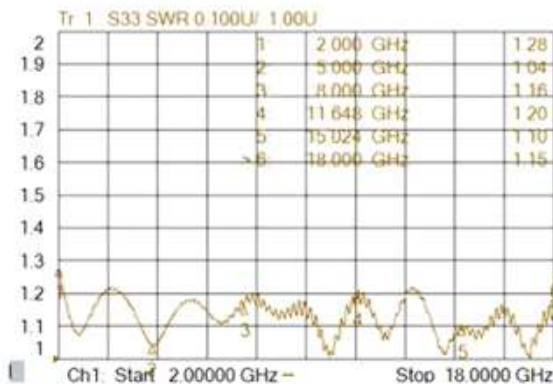
Parameter	Specification
Port Connectors	SMA-Female
Dimensions	47 x 24 x 10 mm
Weight	32 g
Surface Finish	Black Paint

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