

Withwave's Directional Coupler offer frequency range from 12 GHz to 18 GHz and low insertion loss & VSWR. This Coupler (BC120180-10-SF) have 10 dB coupling & 12 dB directivity characteristics.

■ Features

- Nominal Coupling : 10 ± 1.0 dB
- Directivity : 12 dB (Min.)
- SMA Connector (Female)



■ Specification

Scope	Specification	BC120180-10-SF
Electrical	Impedance	50 Ohm
	Freq. range	12 to 18.0 GHz
	Nominal Coupling	10 ± 1.0 dB
	Insertion Loss	1.2 dB
	VSWR Primary	1.30: 1 (Typ.) 1.50: 1 (Max.)
	VSWR Secondary	1.40: 1 (Typ.) 1.50: 1 (Max.)
	Directivity	15 dB (Typ.) 12 dB (Min.)
	Average Power	30 W
Mechanical & Environmental	Input / Output Connector	SMA (Female)
	Weight	30 g
	Material	Aluminum
	Finishing	Black paint

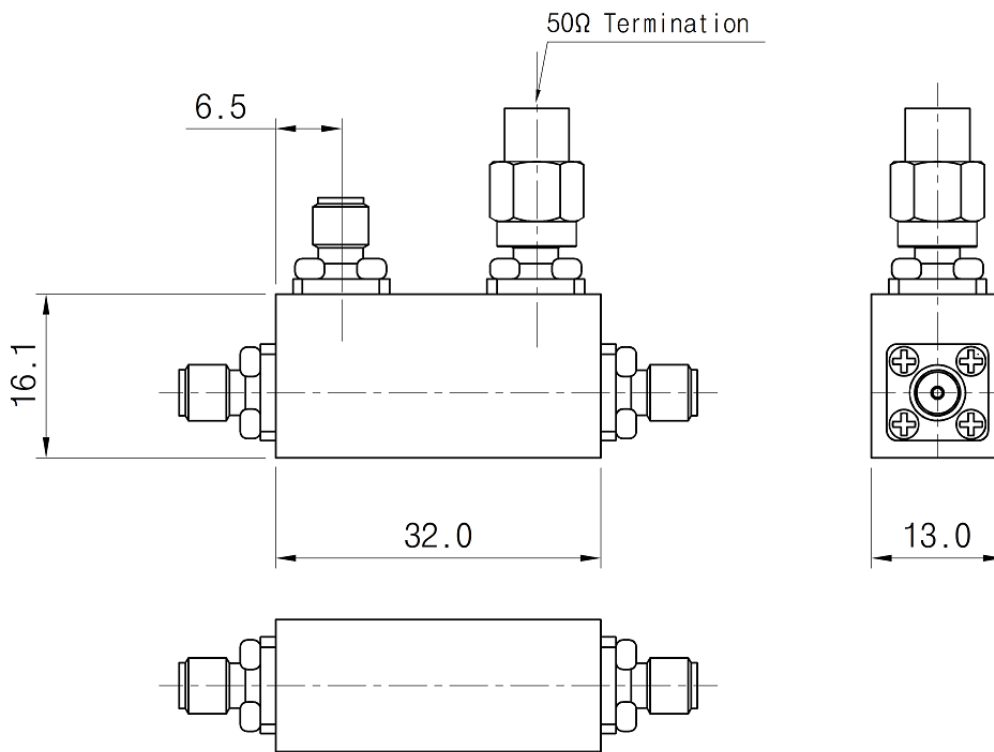
Directional Coupler

12 to 18 GHz
10 dB Coupling

withwave
Next Generation Connectivity

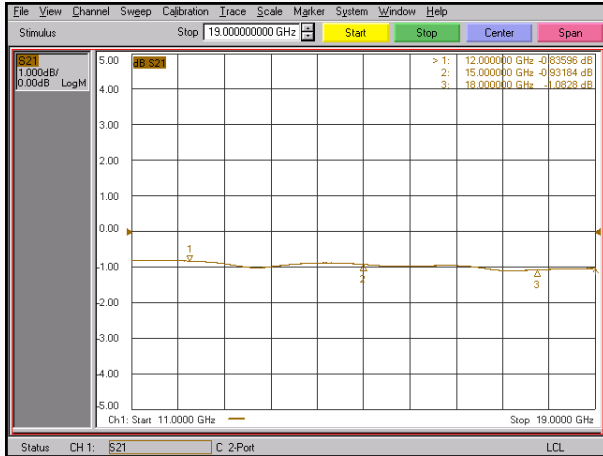
■ Drawing

Unit : mm
Outline Tolerances ± 0.5
Mounting Holes Tolerances ± 0.2

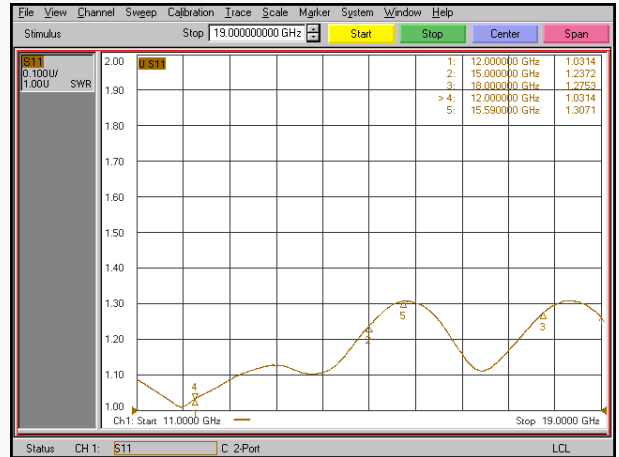


Measurement

Insertion Loss (S21)



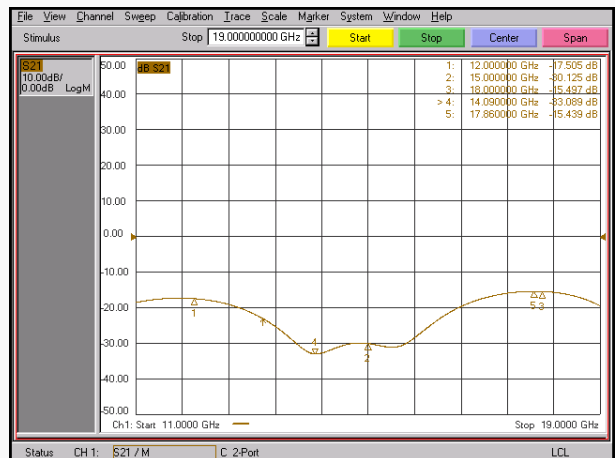
Primary VSWR



Secondary VSWR



Directivity



Nominal Coupling

