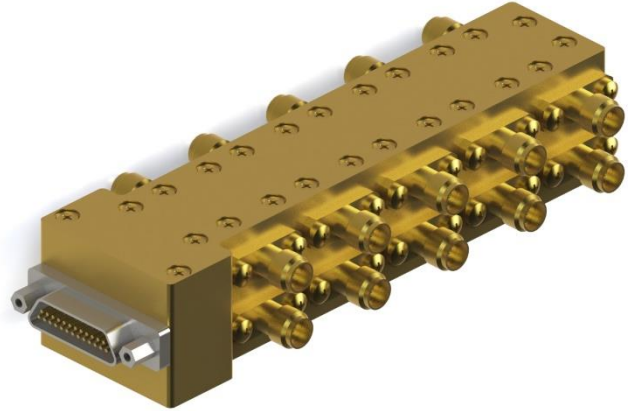


Rev:A00

10 in 1 Bias-Tee



The Bias-Tee is an electronic device used to separate direct current (DC) and alternating current (AC) signals in radio frequency (RF) and microwave systems. It achieves this separation by introducing a network of capacitors and inductors between the DC and RF signal lines sharing the same transmission medium.

In this device, capacitors are placed on the RF signal line.

Technical requirements

Items	Specifications
Model	BSTG00211A002
Frequency range	DC~1.5GHz
Insertion loss	≤1dB (300K&77K)
Return loss	≥10dB (300K&77K)
Temperature	10mK-300K
Connector	SMA-F & J30J-25ZKP

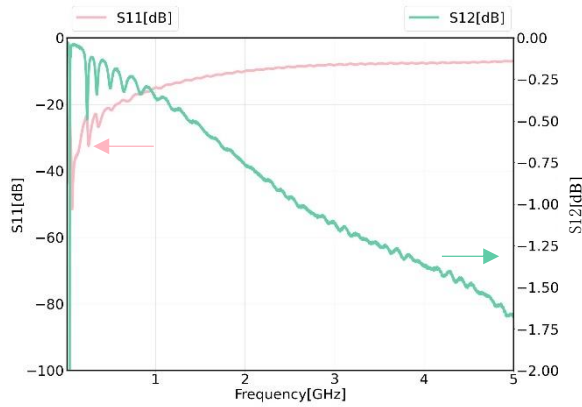
Material and surface

	Item	Material	Surface
SMA connector	Outer conductor	Beryllium bronze	Non-magnetic gold plated
	Center conductor	Beryllium bronze	Non-magnetic gold plated
	Connector-dielectric	PTFE	/
J30J connector	Outer conductor	Steel	Passivated finish
	Center conductor	Copper	Gold plated
	Connector-dielectric	Polyester	/
	Cavity	Oxygen-free copper	Non-magnetic gold plated

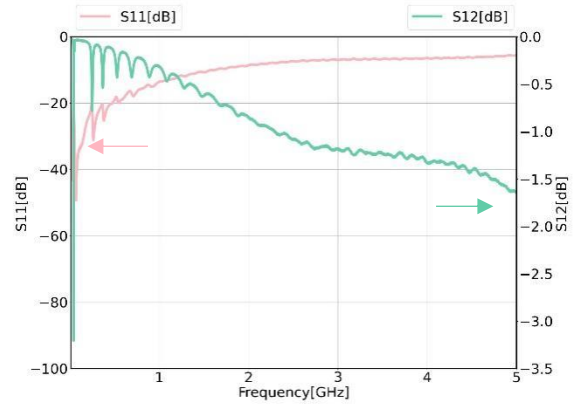
10 in 1 Bias-Tee

Test Results

Measure data, $T_{amb}=300K$



Measure data, $T_{amb}=77K$



Outline drawing (Unmarked tolerance: $\pm 0.1mm$)

