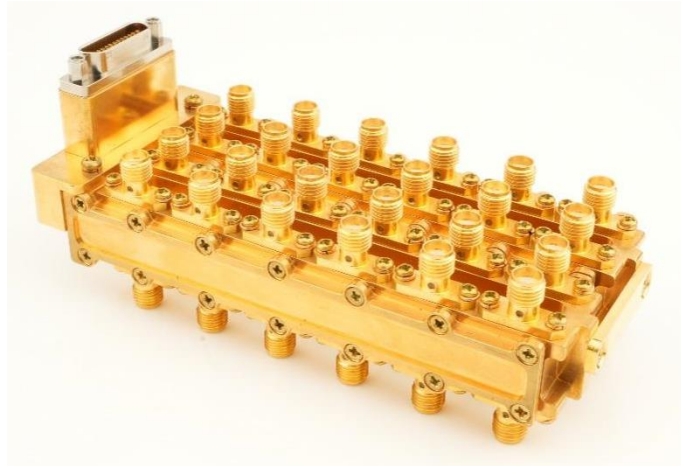


Rev:A00

24 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 not placed on the RF signal line.

Technical requirements

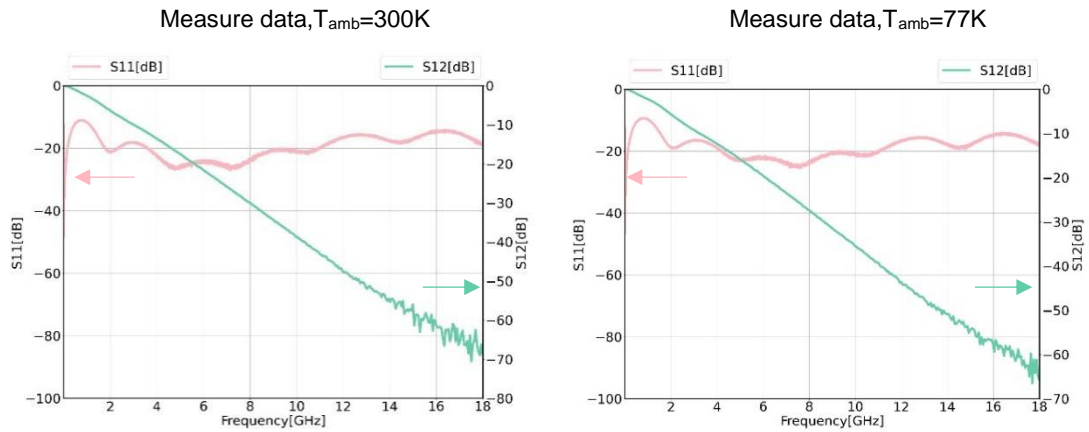
Items	Specifications
Model	BSTG01011A004
Frequency range	DC-8GHz
Insertion loss	≤1.5dB (300K&77K)
Return loss	≥15dB (300K&77K)
Isolation	≥20dB (300K&77K)
Voltage	+5V
Current	≤650mA
Temperature	10mK-300K
Connector	SMA-F & J30J-25ZKP

24 in 1 Bias-Tee

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

Test Results



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

