

0.690~3.590GHz Band Smart Bias Tee

JSBT0690T3590

Description:

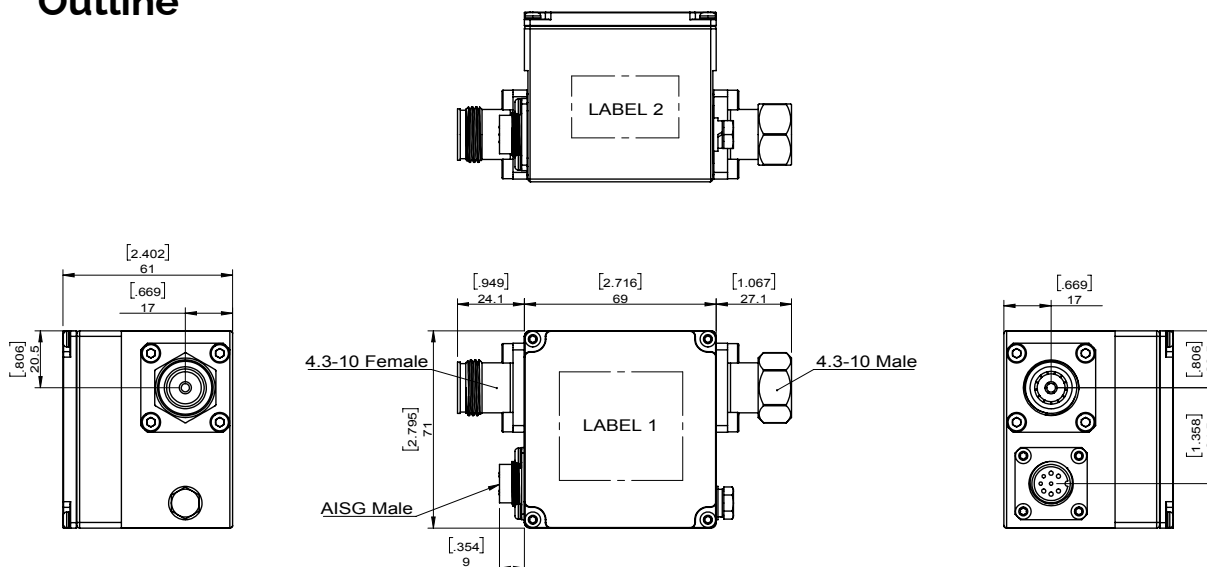


JSBT0690T3590 is a Low PIM Smart Bias Tee in the frequency 0.108~0.118GHz. The device is extremely stable over the temperature range of -40°C to +65°C, with maximum insertion loss of 0.15dB and minimum return loss of 20 Min@ 690-2700MHz || 18 Min@2700-3590MHz. Power consumption is 0.6W (typ)

Electrical Specification

Part Number	JSBT0690T3590
Frequency (GHz)	0.690~3.590
Insertion Loss(dB)	0.15
PIM(dBc)MIN	161
Return Loss(dB)	20 Min@ 690-2700MHz 18 Min@2700-3590MHz
Operating Temperature	-40°C~+65°C
Power FWD/REV/PK(Watt)	0.6W(typ)

Outline

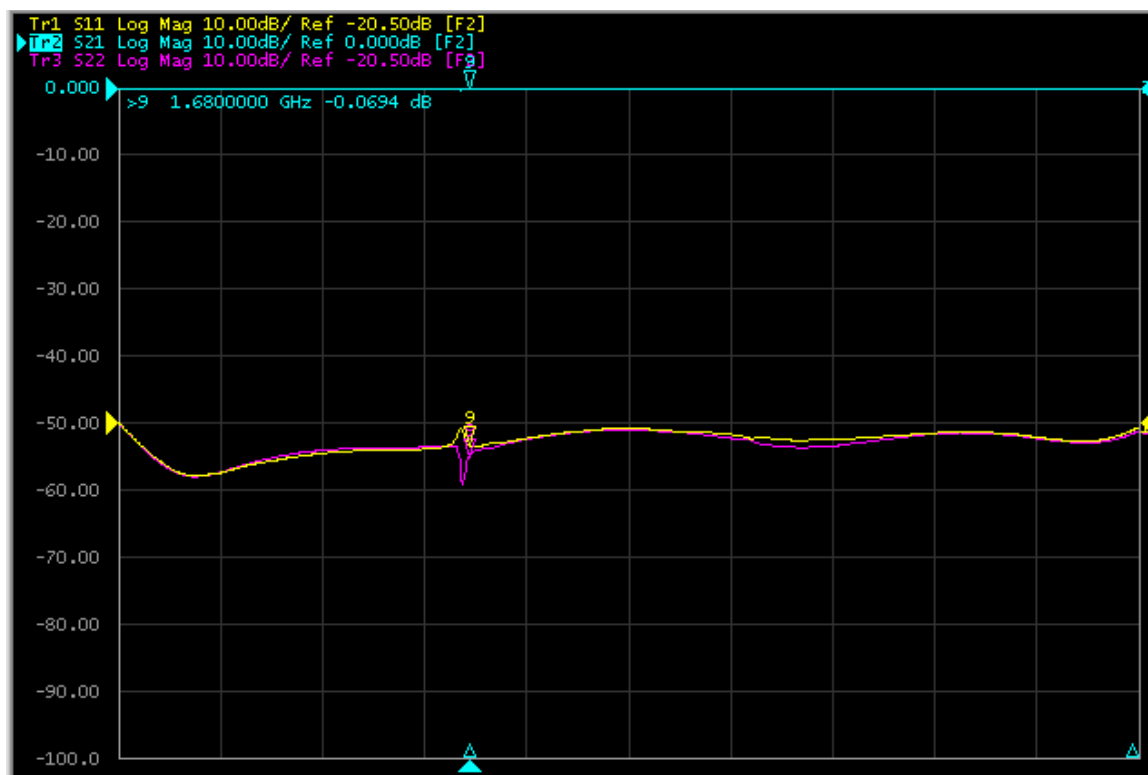


CONNECTOR DETAIL			
PORT1: RF/DC/AISG	PORT2: RF(DCblock)	PORT3: DC/AISG	DC/AISG port Location
4.3-10 Male	4.3-10 Female	AISG 2.0 Male	Close to Port2

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Test Data



Applications

- Telecom

The Smart Bias Tee combines the performance of a standard Bias Tee with the function of an additional modem (AISG 2.0 standard) in order to provide either DC voltage as well as remote control signals via an RF feeder cable to a TMA or RCU. The Smart Bias Tee provides low RF signal insertion loss from port 1 to port 2 and vice versa. The measures taken to protect against static discharge and lightning ensure a high level of reliability and operational safety. The unit features advanced lightning protection circuits acting as surge protection for the BTS. This eliminates the need for traditional lightning arresters in the BTS. DC supply cables are available in standard lengths with various connectors according to requirements.

There are two overall configurations for SBTs: (1) one is using a SBT at the bottom of the feeder with another SBT at the top of the feeder; (2) the other configuration is using a SBT at the bottom of the feeder and an AISG compliant TMA at the top.