泰莱微波
Talent Microwave

Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

Broadband Bias Tee

10MHz-50GHz/±60V DC/2.4mm

Model: TLBT-10M50G-60-2.4S

TLBT-10M50G-60-2.4S is a bias tee that operates from 10 MHz to 50 GHz. The bias tee offers 3.5 dB insertion loss and -10 dB typical return loss. The bias tee can handle up to ±60 VDC bias voltage and 500 mA current. The RF ports are equipped with 2.4mm female connectors and DC port is equipped with SMA female connector.

Features:

- Frequency range:10MHz-50GHz
- Low Insertion Loss
- High Voltage
- High Current Capacity

Applications:

- Test Lab
- Sub-assemblies
- System Integrations

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency range	10MHz		50GHz	
Insertion Loss		3.5		dB
Return Loss		-10		dB
DC Voltage		±60		V DC
DC Current		500		mA
RF Power		1		W
DC Additional Resistance		250		mΩ
Inductance		1.2		uH

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	2.4mm Female/2.4mm Female	
DC Connector	SMA Female	
Case Material	Aluminum	
Finish	True color conductive oxidation	
Size	20*35*15	mm

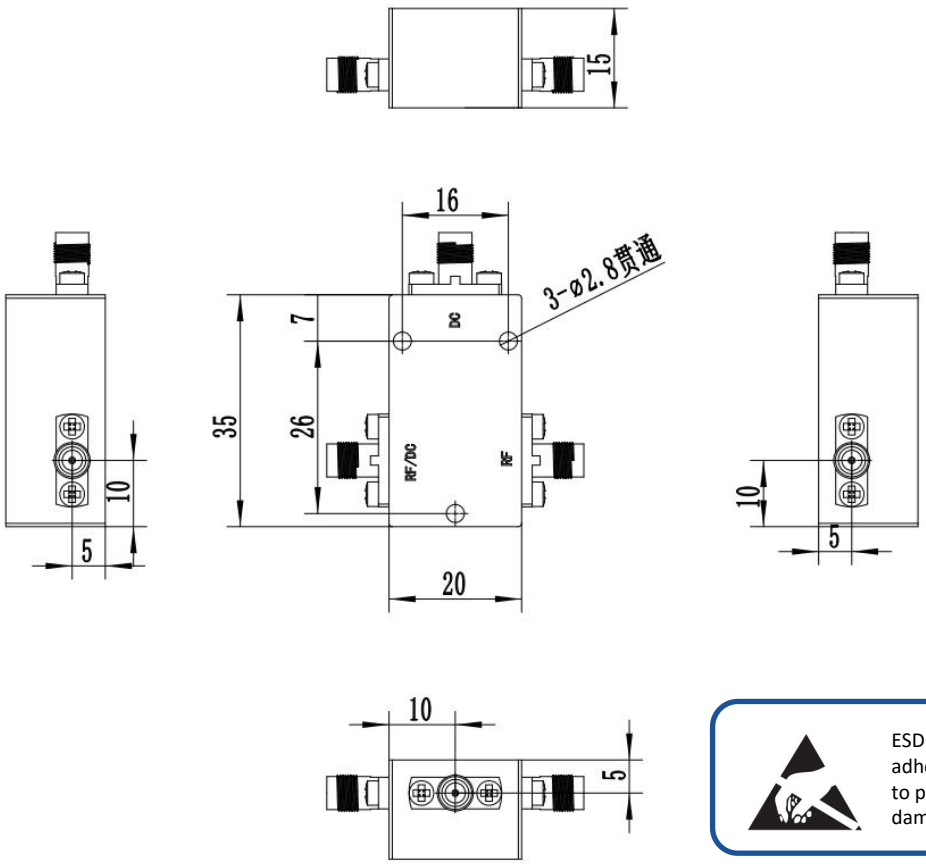
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Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	±60 V
RF Input Power	+30 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit:mm; Tolerance:±0.1mm



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

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Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-40		+70	℃
Non-operating Temperature	-55		+85	℃
Relative humidity		95		%
Altitude	10,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Base Number	Description	Revision
TLBT-10M50G-60-2.4S	Broadband Bias Tee 2.4mm,10MHz-50GHz,±60V	Rev.1.1

Notes:

1. All data taken @ +23° C unless otherwise specified.
2. Dimensionsandspecificationsmay be changed withoutprior notice.