泰莱微波
Talent Microwave

Suzhou Talent Microwave,Inc
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Broadband Bias Tee

0.5-12GHz/100V DC/SMA

Model: TLBT-0.5G12G-100V-S

TLBT-0.5G12G-100-S is a bias tee that operates from 0.5 to 12 GHz. The bias tee offers 1.5 dB insertion loss and -12 dB typical return loss. The bias tee can handle up to +100 VDC bias voltage and 3 A current. The all ports are equipped with SMA female connectors.

Features:

- Frequency range:0.5-12GHz
- Low Insertion Loss
- High Voltage
- High Current Capacity

Applications:

- Test Lab
- Sub-assemblies
- System Integrations

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency range	0.5		12	GHz
Insertion Loss		1.5		dB
Return Loss		-12		dB
DC Voltage		100	150	V DC
DC Current		3	3.5	A
RF Power		10		W
DC Additional Resistance		250		mΩ
Inductance		1.2		uH

Mechanical Specifications:

Parameter	指标 Value	单位 Units
RF Connector	SMA Female	
COM Connector	SMA Female	
DC Connector	SMA Female	
Case Material	Aluminum	
Finish	Ture color conductive oxidation	
Size	20*35*15	mm

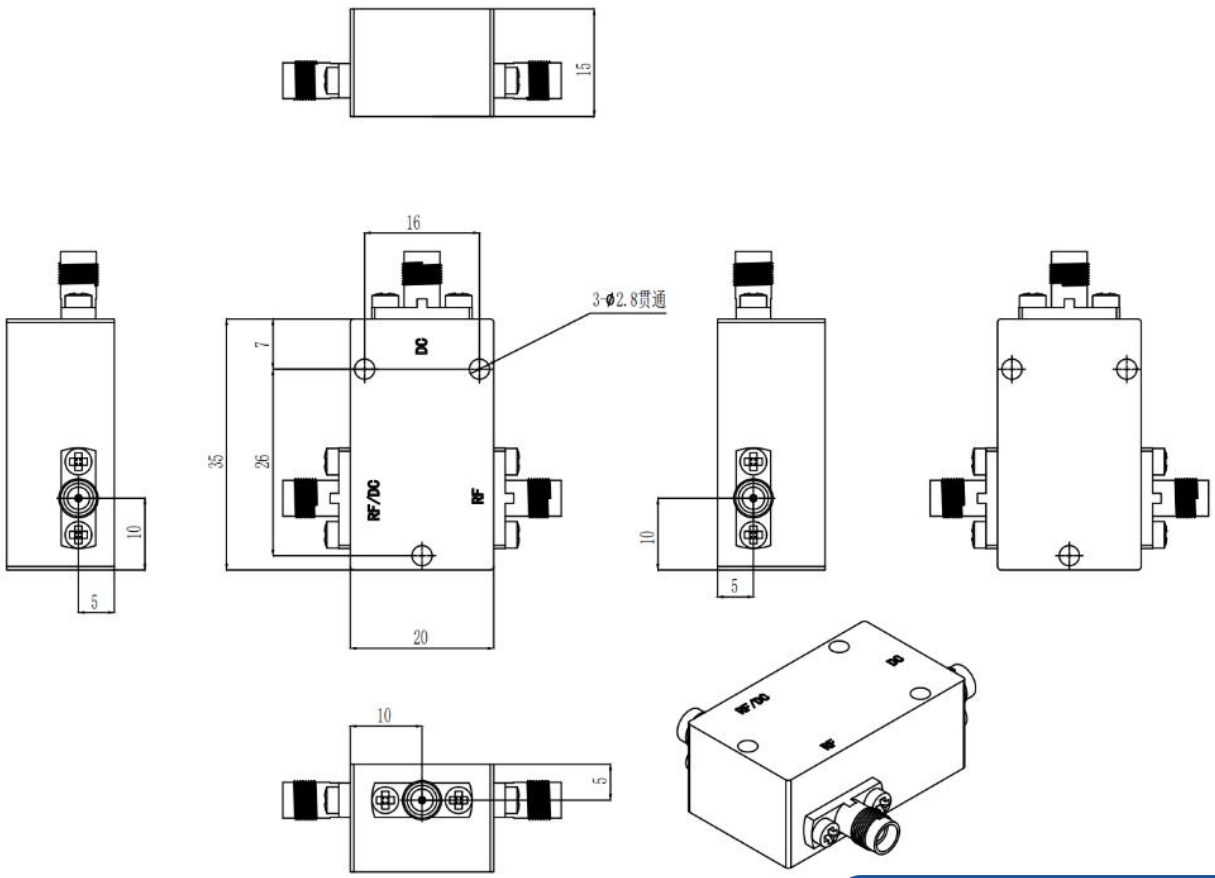
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Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+150 V
RF Input Power	10 W
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-0.5G12G-100V-S	Broadband Bias Tee SMA,0.5 GHz-12 GHz,+100V	Rev.1.1

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