泰莱微波
Talent Microwave

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Broadband Bias Tee

160KHz-110GHz/16V DC/1.0mm

Model: TLBT-160K110G-16-1S

TLBT-160K110G-16-1S is a bias tee that operates from 160 KHz to 110 GHz. The bias tee offers 2.5 dB insertion loss and -10 dB typical return loss. The bias tee can handle up to +16V DC bias voltage and 500 mA current. The RF ports are equipped with 1.0mm female connectors and DC port is equipped with SMA female connector.

Features:

- Frequency range:160KHz-110GHz
- Low Insertion Loss
- High Voltage
- High Current Capacity

Applications:

- Test Lab
- Sub-assemblies
- System Integrations

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency range	160KHz		110GHz	
Insertion Loss		2.5		dB
Return Loss		-10		dB
Isolation		30		dB
DC Voltage			16	V DC
DC Current			500	mA
RF Power			1	W

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	1.0mm Female/1.0mm Female	
DC Connector	SMA Female	
Case Material	Aluminum	
Finish	Blue Paint	
Size	14.9*36*11.7	mm
Weight	45	g

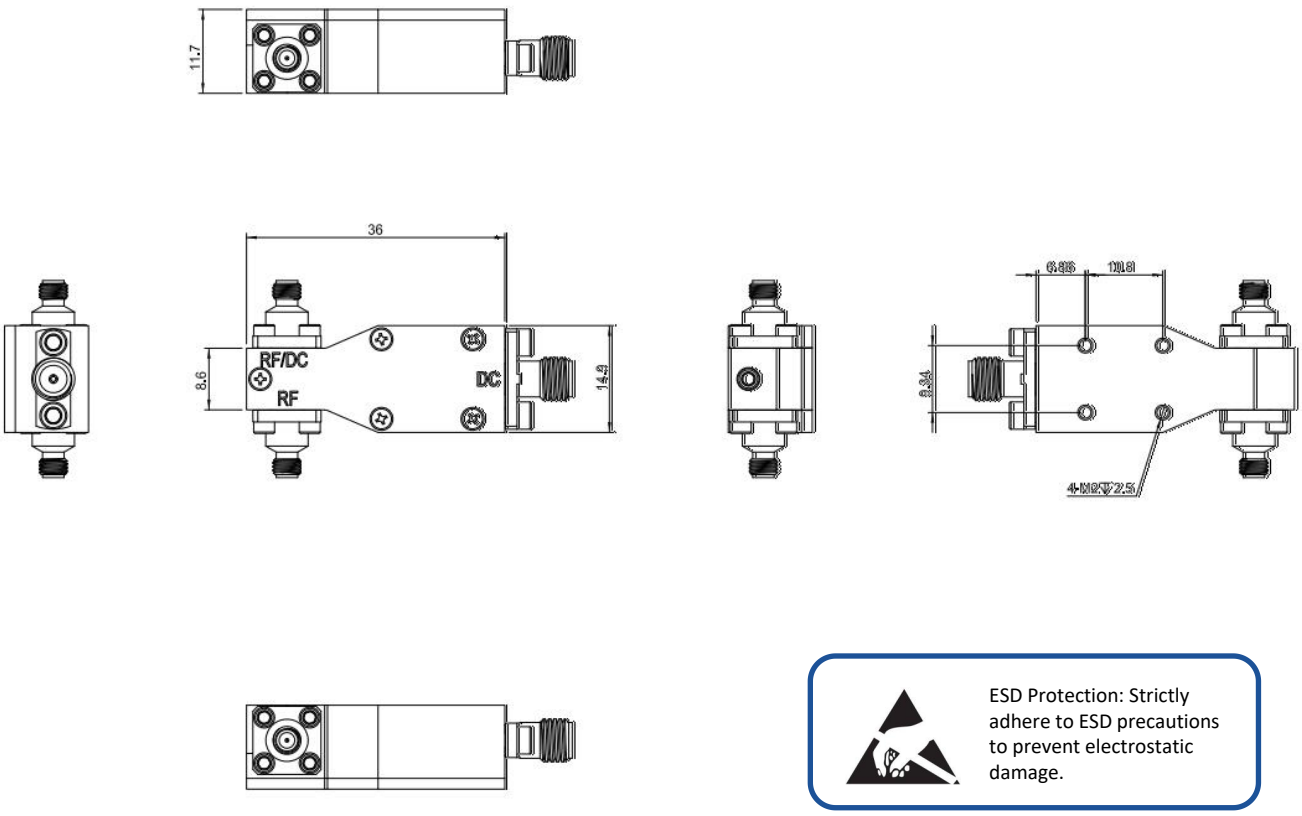
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Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+16V
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	-45		+85	℃
Non-operating Temperature	-55		+125	℃
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	Desciption	Revision
TLBT-160K110G-16-1S	Broadband Bias Tee 1.0mm,160KHz-110 GHz,+16V	Rev.1.1

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