

**Model: TLBT-30K70G-25-VS**
**Broadband Bias Tee**  
**1.85mm,30KHz-70GHz,25VDC**
**Feature:**

- Ultra Wide Band: 30 KHz-70 GHz
- Low Insertion Loss
- High Voltage
- High Current Capacity

**Electrical Specifications:**

Parameter	Min.	Typ.	Max.	Units
Frequency range	30 KHz-70			GHz
Insertion Loss		4.0		dB
Return Loss		-10	-7	dB
Isolation		25		dB
DC Voltage			+25	V DC
DC Current			500	mA
RF Power			1	W

**Mechanical Specifications:**

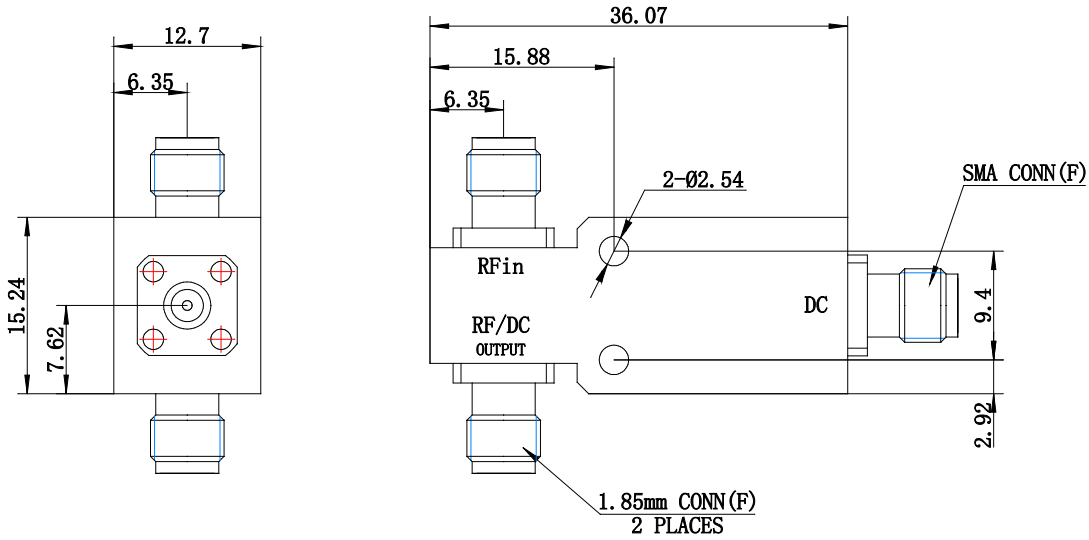
Parameter	Value	Units
Input /Output Connector	1.85mm Female	
DC Connector	SMA Female	
Case Material	Aluminum	
Finish	Black Paint	
Size	15.24*36.07*12.7	mm
Weight	45	g

**Absolute Maximum Ratings:**

Parameter	Value
Bias DC Voltage	+25 V DC
RF Input Power	+30 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

**Outline Drawing:**

Unit: mm



**Environmental Conditions:**

Parameter	Min.	Typ.	Max.	单位Units
Operating Temperature	0		+50	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	50,000			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:**

Part Number	Description	Revision
TLBT-30K70G-25-VS	Broadband Bias Tee 1.85mm,30KHz-70 GHz,25V	Rev.1.1

**Notes:**

1. All data taken @ +23°C unless otherwise specified.
2. Dimensions and specifications may be changed without prior notice.

Typical Performance Data:

Insertion Loss&VSWR vs Frequency

