



## 500 MHz to 10 GHz SMA Bias Tee Rated to 700 mA And 50 Volts DC

### TECHNICAL DATA SHEET

PE1BT1000

#### Configuration

RF Port Connector	SMA Female
RF Port Connector Impedance	50 Ohms
DC/RF Port Connector	SMA Female
DC/RF Port Connector Impedance	50 Ohms
DC Port Connector	Pin Female

#### Electrical Specifications (Values at 25°C, sea level)

Description	Minimum	Typical	Maximum	Units
Frequency Range	500 MHz		10 GHz	
RF Port VSWR			1.6:1	
RF to Bias Isolation	40			dB
RF Input Power			5	Watts
DC Voltage			50	Volts
DC Current			700	mA

#### Mechanical Specifications

##### Temperature

Operating Range	-25 to +80 deg C
Storage Range	-55 to +150 deg C

##### Size

Length	1.2 in [30.48 mm]
Width/Dia.	0.63 in [16 mm]
Height	0.5 in [[12.7 mm]]
Weight	0.04 lbs [[18.14 g]]

#### Connectors

Description	RF Port Connector	RF/DC Port Connector	DC Port Connector
Type	SMA Female	SMA Female	Pin Female
Inner Conductor Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold	
Outer Conductor Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel	
Torque	8 in-lbs [0.9 Nm]	8 in-lbs [0.9 Nm]	

#### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	
REACH Compliant	12/17/2015

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [500 MHz to 10 GHz SMA Bias Tee Rated to 700 mA And 50 Volts DC PE1BT1000](#)



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### TECHNICAL DATA SHEET

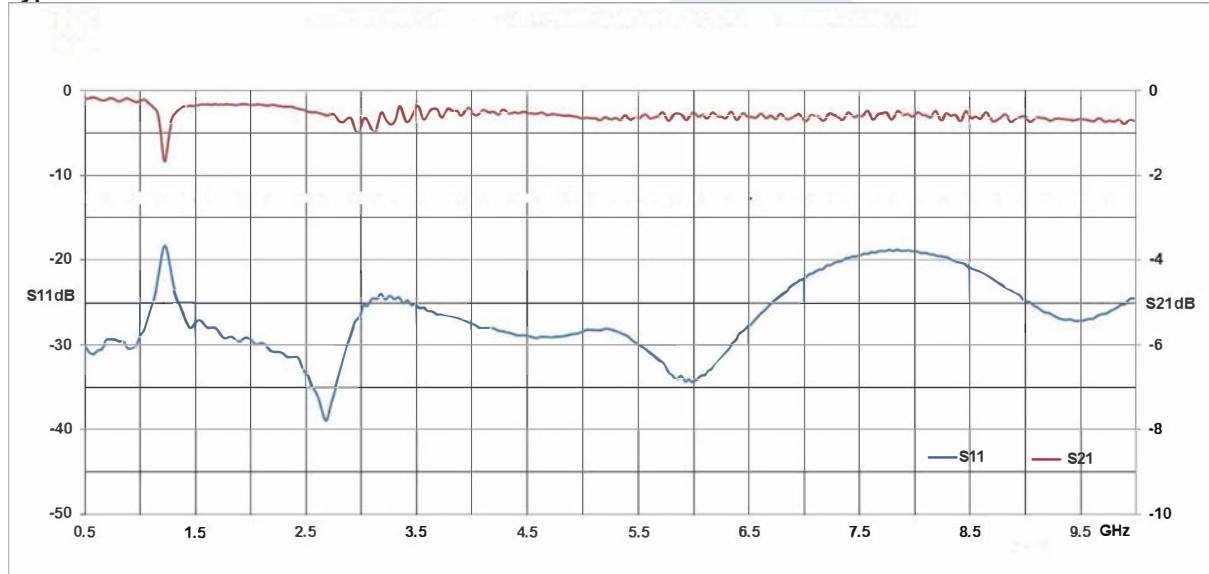
PE1BT1000

#### Plotted and Other Data

Notes:

- Values at 25 °C, sea level

#### Typical Performance Data



500 MHz to 10 GHz SMA Bias Tee Rated to 700 mA And 50 Volts DC from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

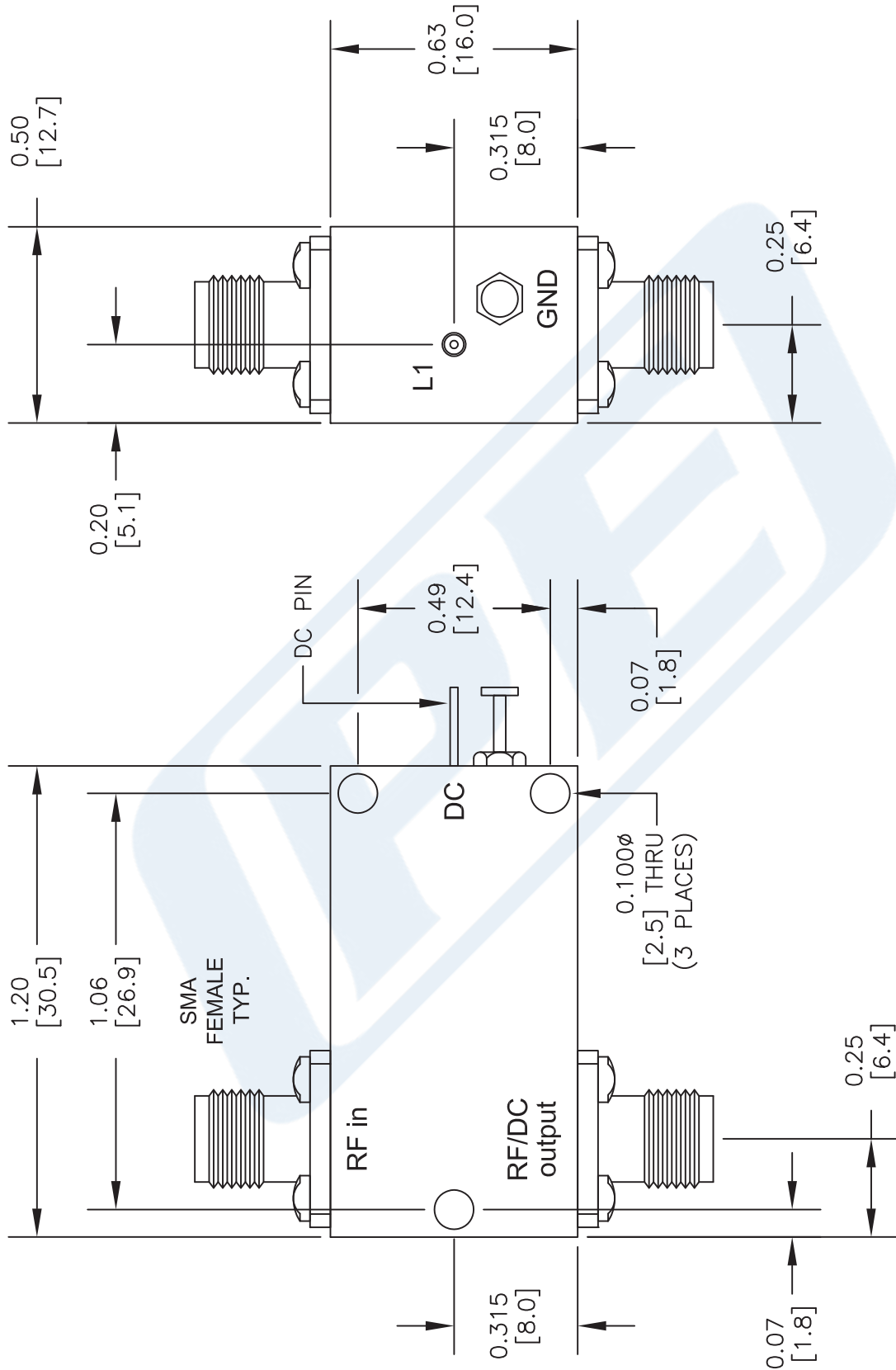
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [500 MHz to 10 GHz SMA Bias Tee Rated to 700 mA And 50 Volts DC PE1BT1000](https://www.pasternack.com/500-mhz-10-ghz-sma-bias-tee-700-ma-50-volts-dc-pe1bt1000-p.aspx)

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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PE1BT1000 CAD Drawing

500 MHz to 10 GHz SMA Bias Tee Rated to 700 mA And 50 Volts DC



DWG TITLE

**PE1BT1000**

NOTES:  
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
 3. DIMENSIONS ARE IN INCHES [mm].

FSCM NO. 53919

CAD FILE 042016

SIZE A

2233



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