



250 MHz to 2.5 GHz SMA Bias Tee Rated
to 7000 mA and 100 Volts DC

Bias Tees Technical Data Sheet

PE1617

Configuration

RF Port Connector	SMA Female
DC/RF Port Connector	SMA Female
DC Port Connector	Solder Pin

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.25		2.5	GHz
Impedance		50		Ohms
RF to Bias Isolation	20			dB
DC Voltage			100	Vdc
DC Current			7	A
Input Power (CW)			50	Watts
3dB Bandwidth	0.1		3.7	GHz

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	0.25 to 0.5	0.5 to 2.5				GHz
VSWR, Max		1.4:1				
Insertion Loss, Max	1	0.5				dB

Mechanical Specifications

Size	
Length	1.67 in [42.42 mm]
Width	0.55 in [13.97 mm]
Height	1.29 in [32.77 mm]

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [250 MHz to 2.5 GHz SMA Bias Tee Rated to 7000 mA and 100 Volts DC PE1617](#)



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250 MHz to 2.5 GHz SMA Bias Tee Rated to 7000 mA and 100 Volts DC from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% 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: [250 MHz to 2.5 GHz SMA Bias Tee Rated to 7000 mA and 100 Volts DC PE1617](https://www.pasternack.com/250-mhz-2.5-ghz-sma-bias-tee-7000-ma-100-volts-dc-pe1617-p.aspx)

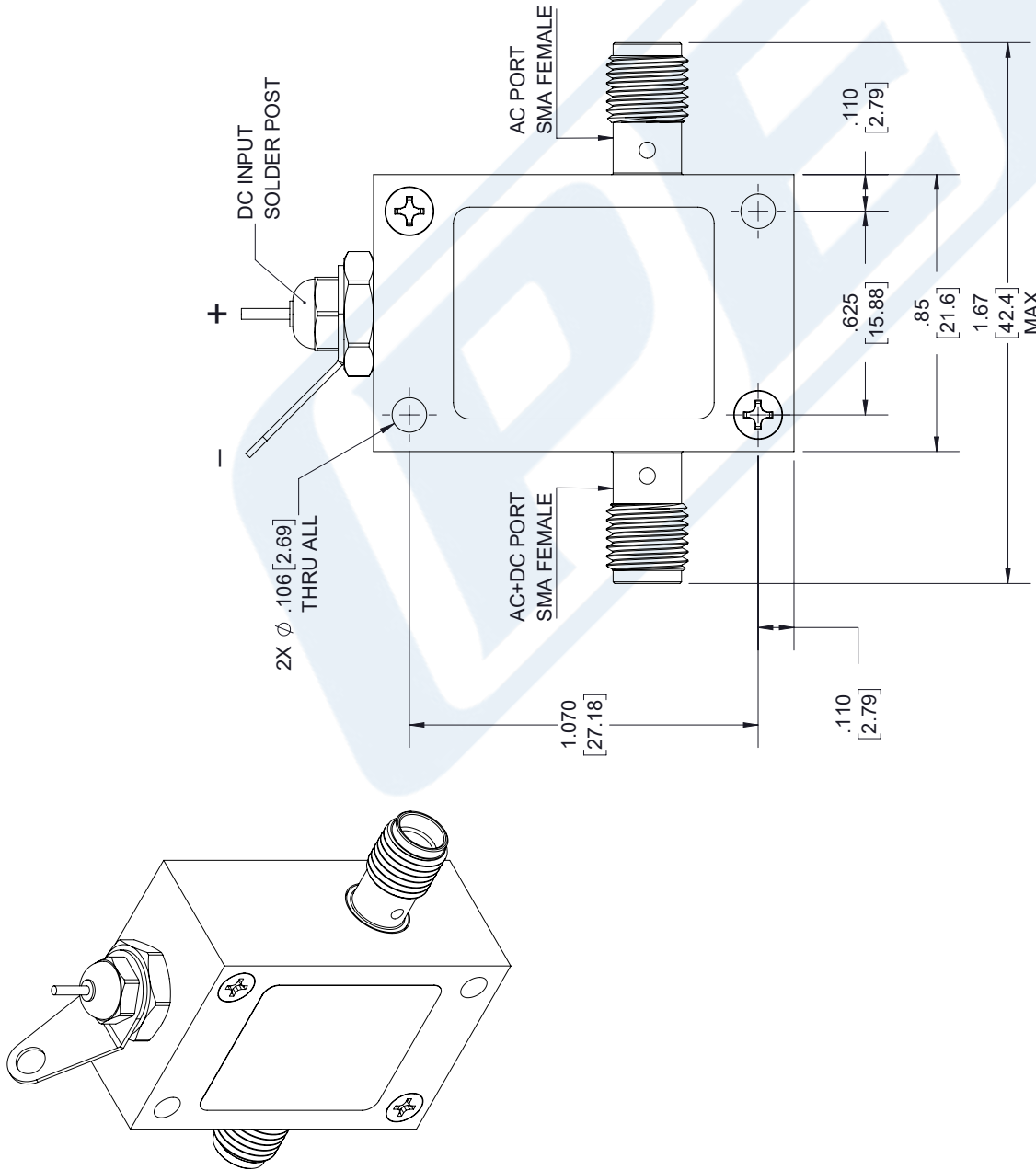
URL: <https://www.pasternack.com/250-mhz-2.5-ghz-sma-bias-tee-7000-ma-100-volts-dc-pe1617-p.aspx>

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.

PE1617 CAD Drawing

250 MHz to 2.5 GHz SMA Bias Tee Rated to 7000 mA and 100 Volts DC

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE1617	6/3/2020	S. PONG



LABEL:

PASTERNAK
PE1617
D/C: YYWW

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
X = ± .2 [5.08] FRACTIONS
.XX = ± .02 [.51] ANGLES ± 1°
.XXX = ± .005 [.13]
CABLE LENGTH (L) TOLERANCES:
L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +4 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5% / -0
ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION



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SCALE N/A

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SIZE A CAGE CODE 53919 DRAWN BY K.Dang ITEM NO. PE1617 REV A

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