



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

Bias Tees Technical Data Sheet

PE1618

Configuration

RF Port Connector
DC/RF Port Connector
DC Port Connector

N Female
N Female
Solder Pin

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.25		2.5	GHz
Impedance		50		Ohms
VSWR			1.4:1	
Insertion Loss		0.5	1	dB
RF to Bias Isolation		20		dB
DC Voltage			100	Vdc
DC Current			7	A
Input Power (CW)			50	Watts

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

2.4 in [60.96 mm]

Width

1 in [25.4 mm]

Height

1.29 in [32.77 mm]

Weight

0.1762 lbs [79.92 g]

Environmental Specifications

Temperature

Operating Range

-55 to +105 deg C

Storage Range

-60 to +90 deg C

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 N Bias Tee Rated to 7000 mA and 100 Volts DC PE1618](#)



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

Plotted and Other Data

Notes:

250 MHz to 2.5 GHz N 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.

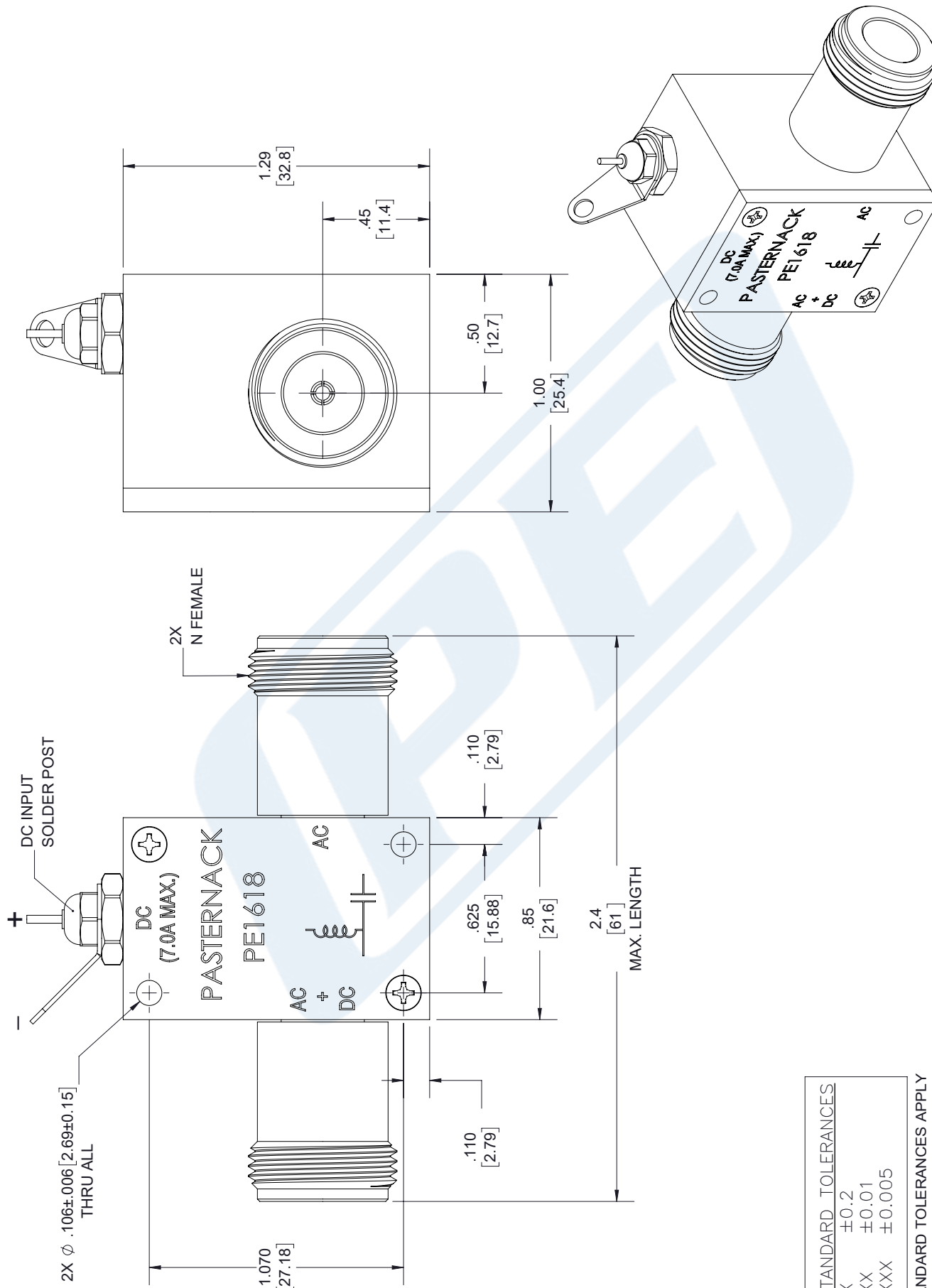
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URL: <https://www.pasternack.com/250-mhz-2.5-ghz-n-bias-tee-7000-ma-100-volts-dc-pe1618-p.aspx>

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.

PE1618 CAD Drawing

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STANDARD TOLERANCES

.X $\pm$ 0.2
.XX $\pm$ 0.01
.XXX $\pm$ 0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

PE PASTERNAK®
THE ENGINEER'S RF SOURCE

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DWG TITLE

PE1618

CAGE CODE 53919

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].

CAD FILE 05/01/18

SCALE N/A

SIZE A

7361