



Biased Detector With 50 Ohm SMA Male to SMA Female
Positive Video Out Operating From 8 GHz to 18 GHz

TECHNICAL DATA SHEET

PE8008-P

Configuration

Bias Type	Biased Detector
Detector Polarity	Positive
Body Style	Straight
RF Input Connector	SMA Male
RF Input Impedance	50 Ohms
Video Output Connector	SMA Female

Electrical Specifications

Frequency Range, GHz	8 to 18
Voltage Sensitivity, mV/mW	1,600
Tangential Signal Sensitivity	-52
Flatness, dB	± 0.7
Maximum Input Power, dBm	23
Video Capacitance, pF	10

Mechanical Specifications

Temperature

Operating Range, deg C	-55 to +125
Storage Range, deg C	-65 to +150

Size

Length, in [mm]	1.35 [34.29]
Width/Dia., in [mm]	0.326 [8.28]

RF Input

Type	SMA Male
Hex Size, Inch	16-May

Video Output

Type	SMA Female
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Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	
REACH Compliant	41078

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Biased Detector With 50 Ohm SMA Male to SMA Female Positive Video Out Operating From 8 GHz to 18 GHz PE8008-P](#)



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Plotted and Other Data

Notes:

- Values at +25 °C, sea level

Biased Detector With 50 Ohm SMA Male to SMA Female Positive Video Out Operating From 8 GHz to 18 GHz 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.

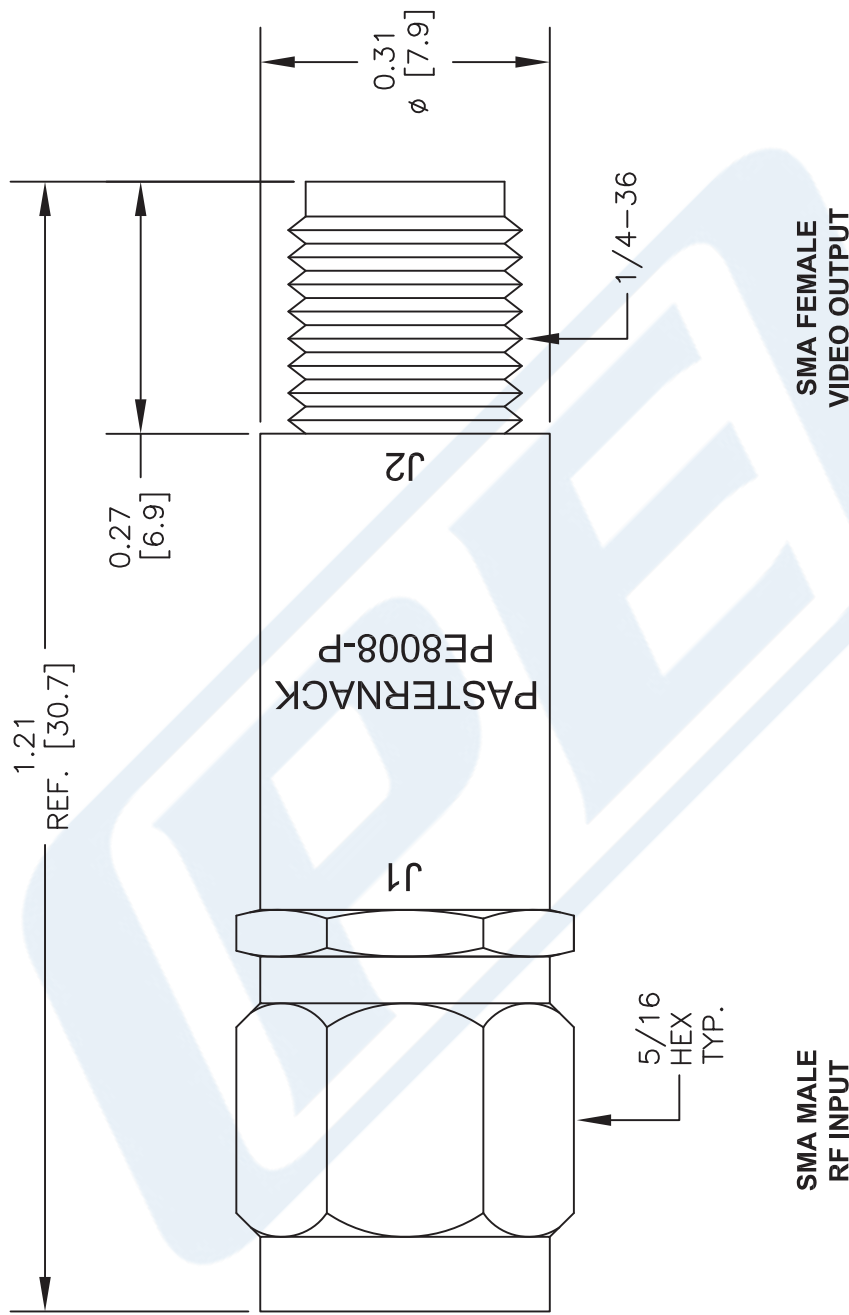
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URL: <http://www.pasternack.com/positive-biased-schottky-diode-detector-80-180-ghz-pe8008-p-p.aspx>

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.

PE8008-P CAD Drawing

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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].

DWG TITLE	PE8008-P			
	FSCM NO.	53919	CAD FILE	090313
	SCALE	N/A	SIZE	A
				2233

**PASTERNAK®**

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