



Zero Biased Detector With 50 Ohm SMA Male to SMA Female
Negative Video Out Operating From 10 MHz to 4 GHz

TECHNICAL DATA SHEET

PE8011

Configuration

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

Electrical Specifications

Frequency Range, GHz	0.01 to 4
Voltage Sensitivity, mV/mW	500
Tangential Signal Sensitivity	-52
Maximum VSWR	1.3:1
Flatness, dB	± 0.3
Maximum Input Power, dBm	23
Video Capacitance, pF	470

Mechanical Specifications

Temperature

Operating Range, deg C	0 to +90
Storage Range, deg C	-65 to +150

Size

Length, in [mm]	1.22 [30.99]
Width/Dia., in [mm]	0.312 [7.92]
Body Material and Plating	Passivated Stainless Steel

RF Input

Type	SMA Male
Dielectric Type	PTFE
Inner Conductor Material and Plating	Gold

Video Output

Type	SMA Female
Dielectric Type	PTFE
Inner Conductor Material and Plating	Gold
Body Material and Plating	Passivated Stainless Steel

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

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Zero Biased Detector With 50 Ohm SMA Male to SMA Female Negative Video Out Operating From 10 MHz to 4 GHz PE8011](#)



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Plotted and Other Data

Notes:

- Values at +25 °C, sea level

Zero Biased Detector With 50 Ohm SMA Male to SMA Female Negative Video Out Operating From 10 MHz to 4 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.

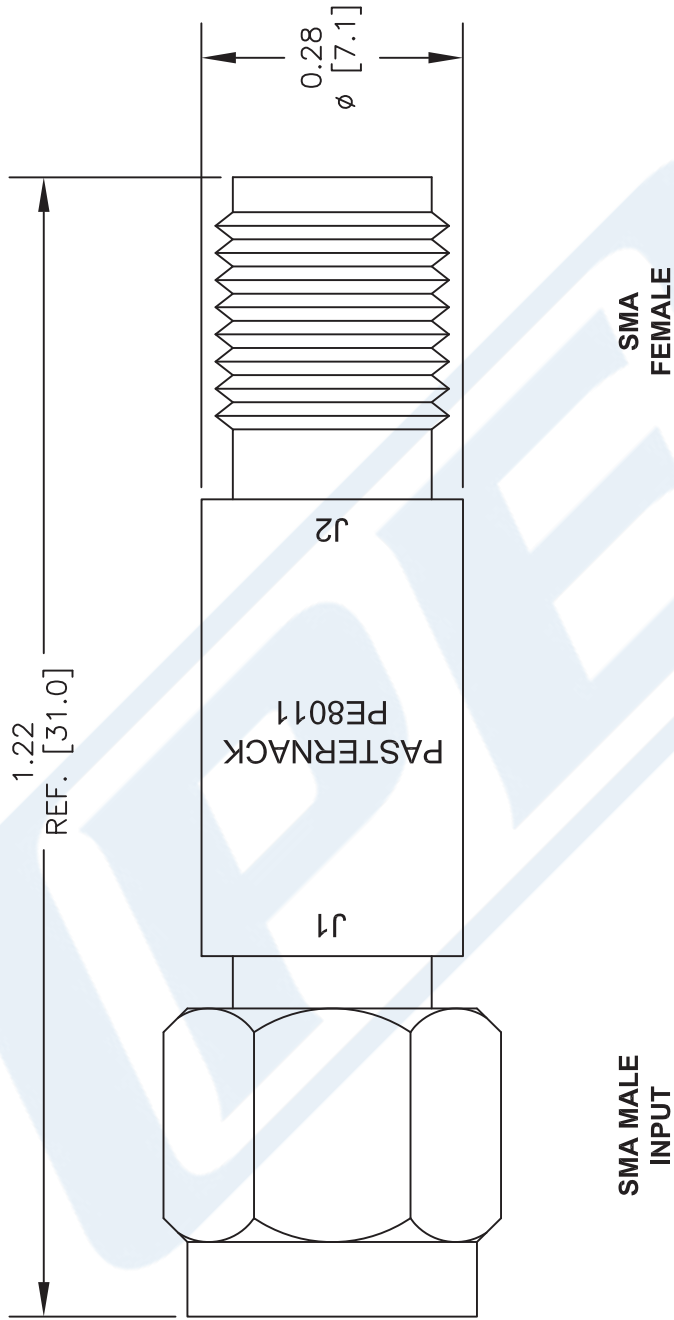
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URL: <http://www.pasternack.com/50-ohm-sma-zero-biased-detector-negative-10-mhz-4000-mhz-pe8011-p.aspx>

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.

PE8011 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
PE8011

FSCM NO. 53919

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SIZE A

SCALE N/A

CAD FILE 053014