



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.

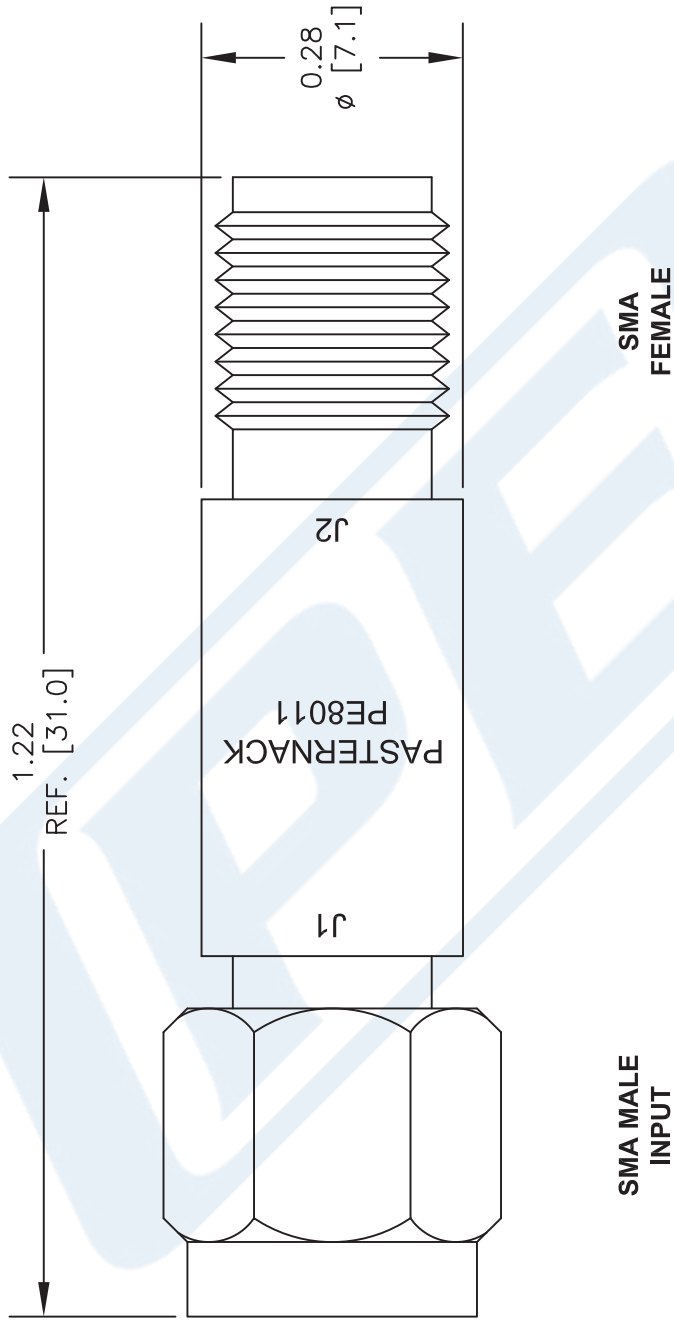
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URL: <http://www.pasternack.com/50-ohm-sma-zero-biased-detector-negative-10-mhz-4000-mhz-pe8011-p.aspx>

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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DWG TITLE

PE8011

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 053014

SCALE N/A

SIZE A

2233

PE PASTERNAK
THE ENGINEER'S RF SOURCE

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