



Detector, SMA, Video Out, 100 MHz to 18 GHz

## Detectors Technical Data Sheet

PE80T1005

The PE80T1005 is a Finline Detector Designed to Operate from 0.1 GHz to 18 GHz. This Detector performs measurements more quickly and have a greater dynamic range than that obtainable from comparable power sensors. The Rugged Ultra Compact Package Design utilizes SMA Female connectors

### Features

- High Speed Finline Detector
- 100 MHz to 18 GHz Frequency Range
- Voltage Sensitivity 800 mV/mW
- SMA Female Connectors

### Applications

- Electronic Warfare
- Test & Measurement
- System Monitoring
- AM Noise Measurements
- Military & Space
- Radar
- Pulsed RF Measurements in Ultra Broadband Applications
- Leveling Pulse Signal Sources
- Military Communications Systems

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	100 MHz		18 GHz	
VSWR			1.7:1	
Voltage Sensitivity		800		mV/mW

### Mechanical Specifications

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

### Plotted and Other Data

Notes:

- Values at +25 °C, sea level

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Detector, SMA, Video Out, 100 MHz to 18 GHz PE80T1005](#)

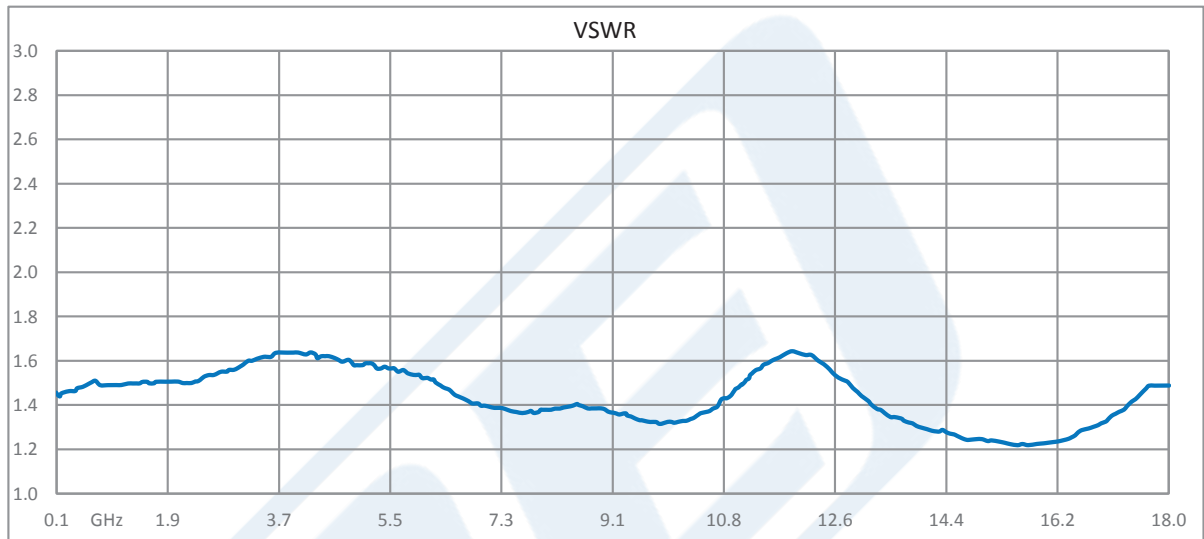


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### Typical Performance Data



Detector, SMA, Video Out, 100 MHz to 18 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

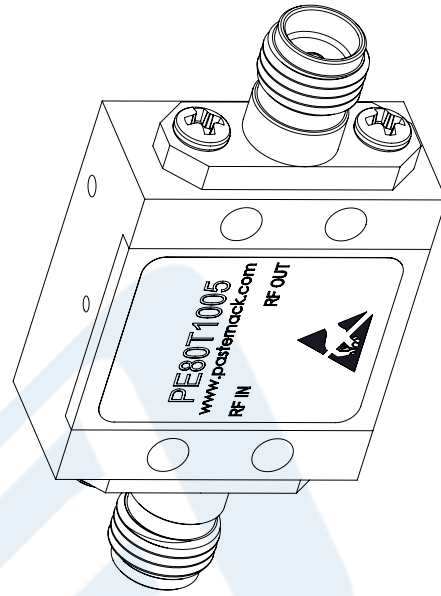
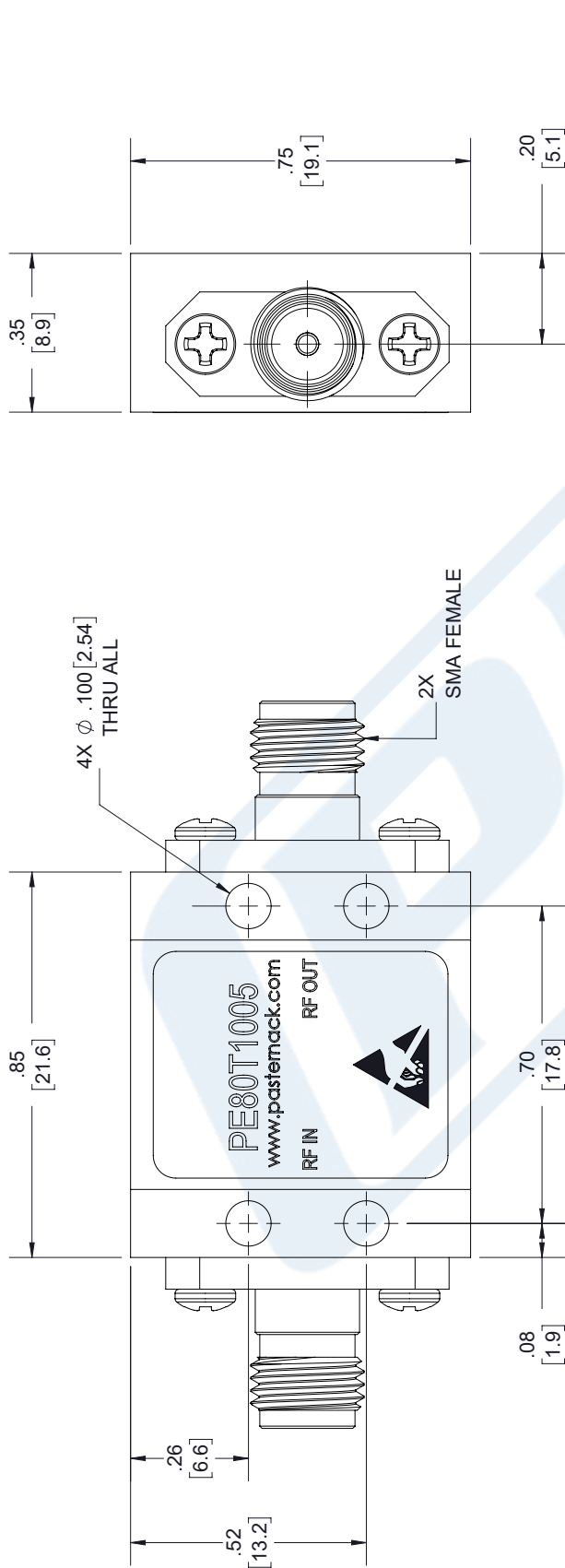
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Detector, SMA, Video Out, 100 MHz to 18 GHz PE80T1005](https://www.pasternack.com/detector-sma-100-mhz-18-ghz-pe80t1005-p.aspx)

URL: <https://www.pasternack.com/detector-sma-100-mhz-18-ghz-pe80t1005-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.

# PE80T1005 CAD Drawing

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NOTE:  
1. WARRANTY VOID IF REMOVED.

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

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE  
**PE80T1005**

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 030118 SCALE N/A SIZE A 7361