



Log Detector, SMA, Positive Video Out, 10 MHz to 3 GHz

TECHNICAL DATA SHEET

PE8040

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	10 MHz		3 GHz	
Input Power			+10	dBm
Dynamic Range	50			dBm
Slew Rate		1		V/us
Output Current			10	mA

Typical (or Max) Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01 to 1	1 to 2	2 to 3			GHz
Input Return Loss	-15	-10	-8			dB
Slope	41	40	37			mV/dB
3rd Intercept Point	-54	-51	-50			dBm
Output Voltage (Max)	2.1	2.1	2			dB

Mechanical Specifications
Size

Length	2.18 in [55.37 mm]
Width	1.18 in [29.97 mm]
Height	0.49 in [12.45 mm]
Weight	0.076 lbs [34.47 g]

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: [Log Detector, SMA, Positive Video Out, 10 MHz to 3 GHz PE8040](#)



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Log Detector, SMA, Positive Video Out, 10 MHz to 3 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.

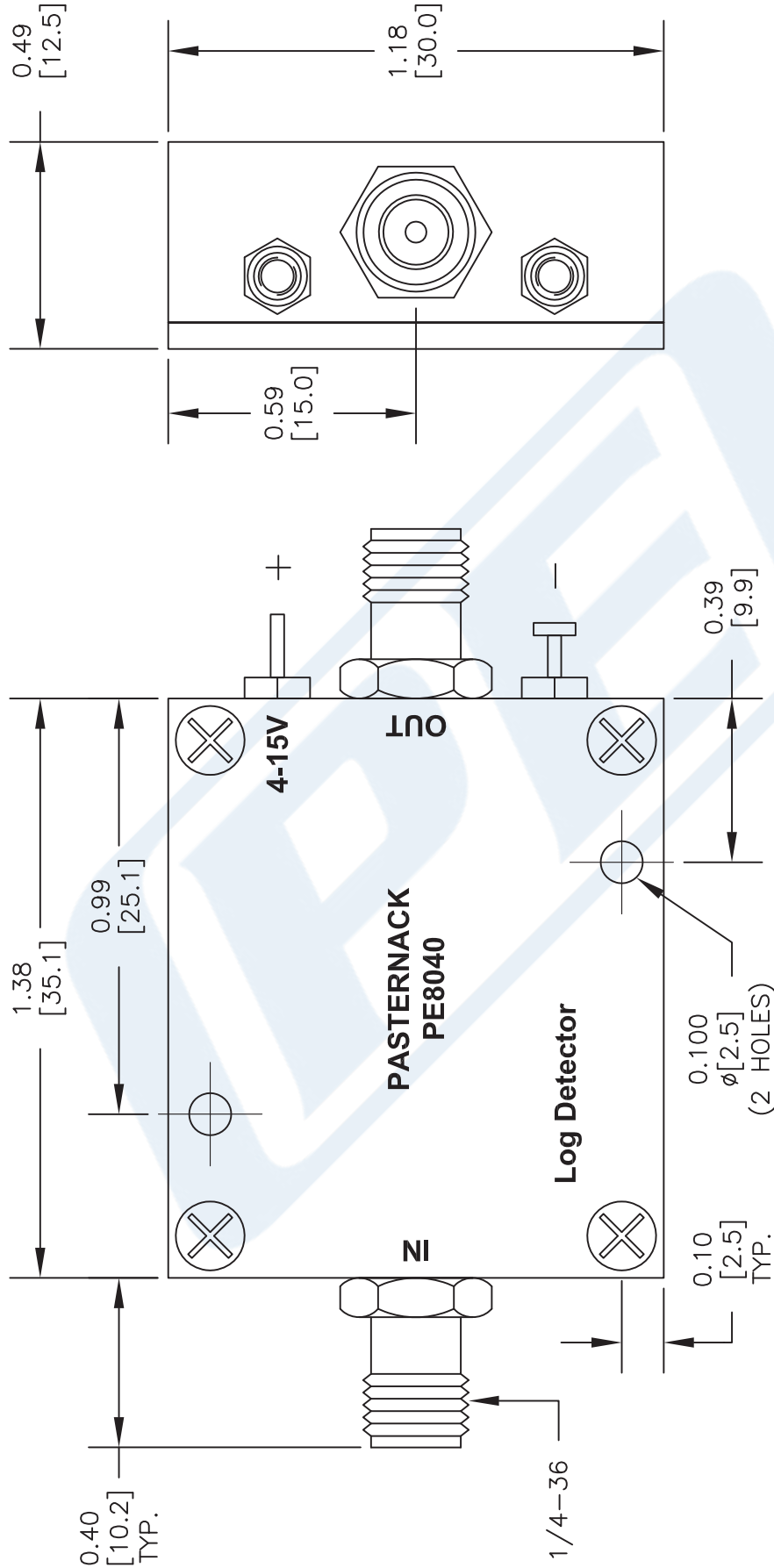
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Log Detector, SMA, Positive Video Out, 10 MHz to 3 GHz PE8040](https://www.pasternack.com/50-ohm-sma-log-detector-positive-10-mhz-3000-mhz-pe8040-p.aspx)

URL: <https://www.pasternack.com/50-ohm-sma-log-detector-positive-10-mhz-3000-mhz-pe8040-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.

PE8040 CAD Drawing

Log Detector, SMA, Positive Video Out, 10 MHz to 3 GHz



DWG TITLE

PE8040

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 073115

SCALE N/A

SIZE A

150

(PE) PASTERNAK®
 THE ENGINEER'S RF SOURCE

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