



50 Ohm BNC Medium Power Noise Source With A Noise  
Output ENR Of 15.5 dB From 2 GHz to 4 GHz

**TECHNICAL DATA SHEET**

**PE8501**

**50 Ohm BNC Medium Power Noise Source With A Noise Output ENR Of 15.5 dB From 2 GHz to 4 GHz**

**Configuration**

|                     |            |
|---------------------|------------|
| Design              | Medium     |
| DC Input Connector  | BNC Female |
| DC Input Impedance  | 50 Ohms    |
| RF Output Connector | SMA Male   |

**Electrical Specifications**

|                      |        |
|----------------------|--------|
| Frequency Range, GHz | 2 to 4 |
| Maximum VSWR         | 1.2:1  |
| Noise Output ENR, dB | 15.5   |
| Bias Voltage, Volts  | 28     |

**Mechanical Specifications**

**Temperature**

|                        |            |
|------------------------|------------|
| Operating Range, deg C | -55 to +85 |
|------------------------|------------|

**Size**

|                     |               |
|---------------------|---------------|
| Length, in [mm]     | 3.37 [85.6]   |
| Width/Dia., in [mm] | 0.755 [19.18] |
| Height, in [mm]     | 0.755 [19.18] |

**DC Input Connector**

|      |            |
|------|------------|
| Type | BNC Female |
|------|------------|

**RF Output Connector**

|                |          |
|----------------|----------|
| Type           | SMA Male |
| Hex Size, Inch | 5/16     |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm BNC Medium Power Noise Source With A Noise Output ENR Of 15.5 dB From 2 GHz to 4 GHz PE8501](#)

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.



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**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

50 Ohm BNC Medium Power Noise Source With A Noise Output ENR Of 15.5 dB From 2 GHz to 4 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

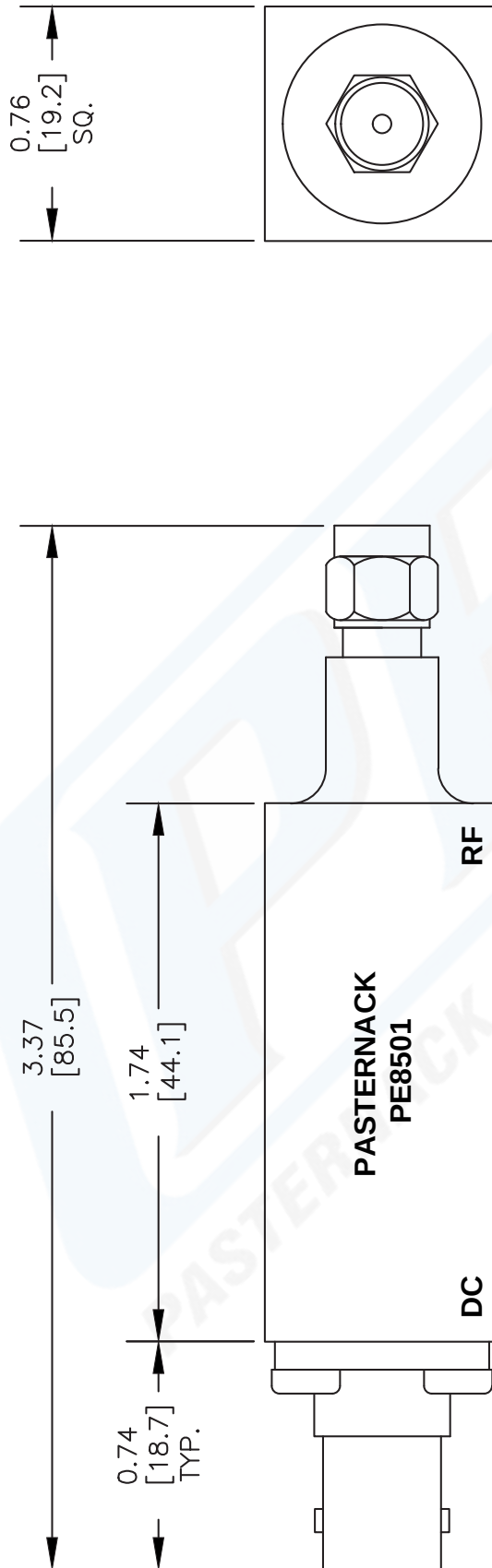
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm BNC Medium Power Noise Source With A Noise Output ENR Of 15.5 dB From 2 GHz to 4 GHz PE8501](http://www.pasternack.com/50-ohm-sma-noise-source-output-15.15-db-2000-mhz-4000-mhz-pe8501-p.aspx)

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# PE8501 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

PE8501

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REV. B FSCM NO. 53919

CAD FILE 021508-B

SCALE N/A

SIZE A

147