



50 Ohm BNC Medium Power Noise Source Power Noise Source
With A Noise Output ENR Of 15.5 dB From 1 GHz to 2 GHz

TECHNICAL DATA SHEET

PE8500

50 Ohm BNC Medium Power Noise Source Power Noise Source With A Noise Output ENR Of 15.5 dB From 1 GHz to 2 GHz

Configuration

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

Electrical Specifications

| | |
|------------------------------------|--------|
| Frequency Range, GHz | 1 to 2 |
| Maximum VSWR | 1.2:1 |
| Noise Output ENR, dB | 15.5 |
| Bias Voltage, Volts | 28 |
| Bias Current, mA | 25 |
| Rise / Fall Time, μ s | 1 |
| Maximum Noise Output vs VDC, db/%V | 0.1 |

Mechanical Specifications

Temperature

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

Size

| | |
|---------------------|---------------|
| Length, in [mm] | 3.37 [85.6] |
| Width/Dia., in [mm] | 0.76 [19.3] |
| Height, in [mm] | 0.76 [19.3] |
| Weight, lbs [g] | 0.151 [68.49] |

DC Input Connector

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

RF Output Connector

| | |
|---------------|----------|
| Type | SMA Male |
| Hex Size, in. | 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 Power Noise Source With A Noise Output ENR Of 15.5 dB From 1 GHz to 2 GHz PE8500](#)

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 for current document)

Plotted and Other Data

Notes:

Values at 25 °C, sea level

50 Ohm BNC Medium Power Noise Source Power Noise Source With A Noise Output ENR Of 15.5 dB From 1 GHz to 2 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.

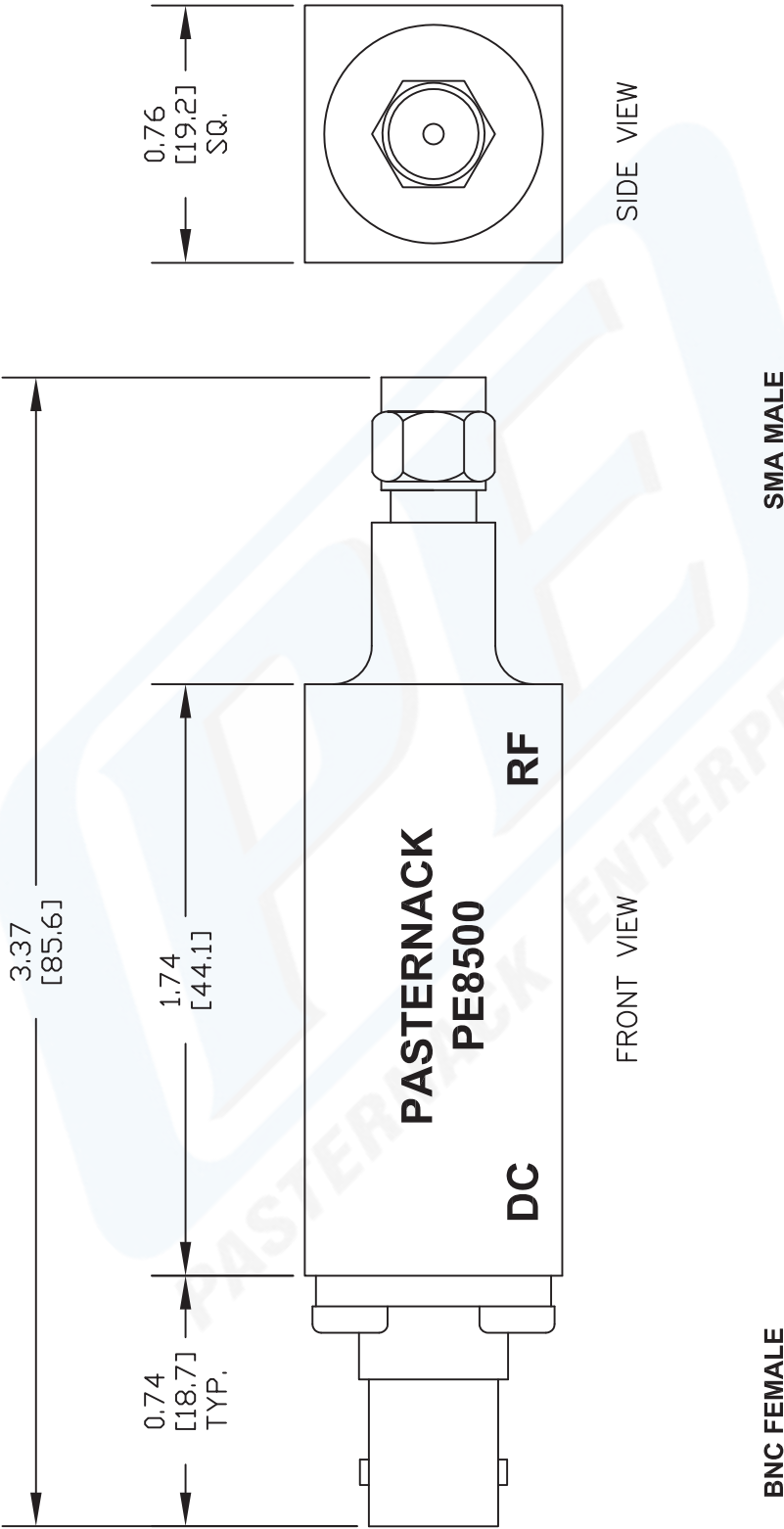
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm BNC Medium Power Noise Source Power Noise Source With A Noise Output ENR Of 15.5 dB From 1 GHz to 2 GHz PE8500](http://www.pasternack.com/noise-generators-1-2-ghz-pe8500-p.aspx)

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PE8500 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 | PE8500 |
| FSCM NO. 53919 | |



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