



50 Ohm SMA High Power Noise Source With A Noise Output ENR Of 30 dB From 12 GHz to 18 GHz

TECHNICAL DATA SHEET

PE8509

50 Ohm SMA High Power Noise Source With A Noise Output ENR Of 30 dB From 12 GHz to 18 GHz

Configuration

Design	High
DC Input Connector	SMA Female
DC Input Impedance	50 Ohms
RF Output Connector	SMA Male

Electrical Specifications

Frequency Range, GHz	12 to 18
Noise Output ENR, dB	30
Bias Voltage, Volts	28
Bias Current, mA	25
Rise / Fall Time, μ s	1
Noise Flatness, dB	± 1
Maximum Noise Output vs VDC, db/%V	0.1

Mechanical Specifications

Temperature

Operating Range, deg C	-55 to +85
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Size

Length, in [mm]	2.83 [71.88]
Width/Dia., in [mm]	0.5 [12.7]
Height, in [mm]	0.5 [12.7]

DC Input Connector

Type	SMA Female
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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 SMA High Power Noise Source With A Noise Output ENR Of 30 dB From 12 GHz to 18 GHz PE8509](#)

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 SMA High Power Noise Source With A Noise Output ENR Of 30 dB From 12 GHz to 18 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.

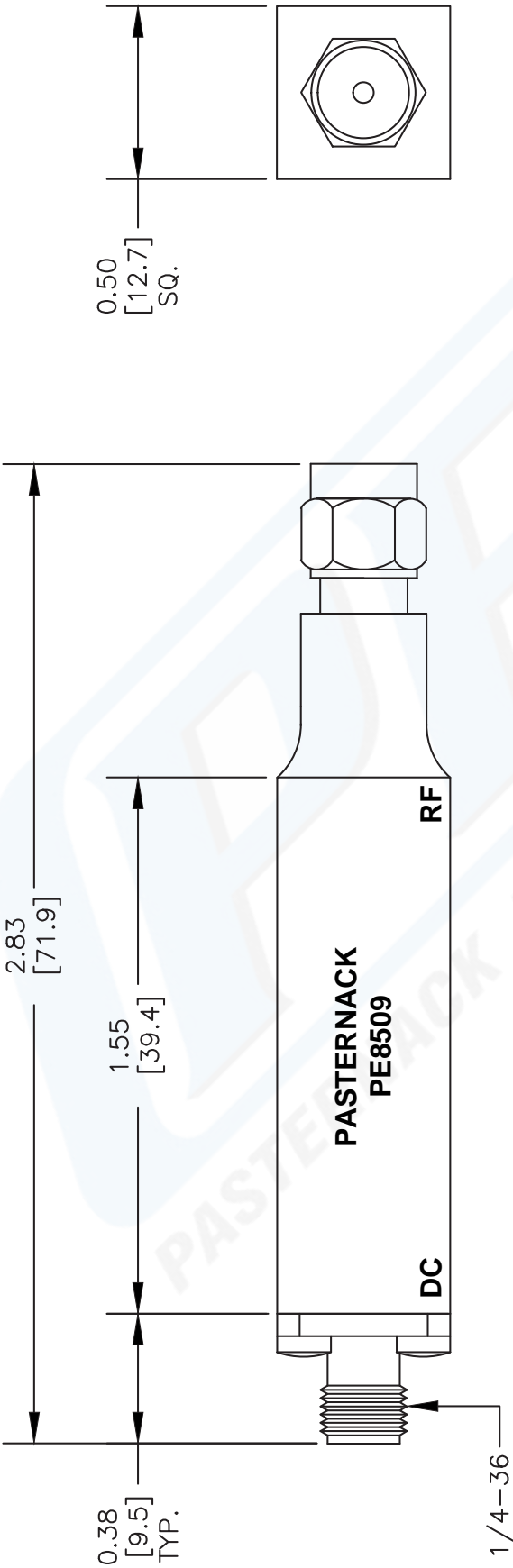
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm SMA High Power Noise Source With A Noise Output ENR Of 30 dB From 12 GHz to 18 GHz PE8509](http://www.pasternack.com/high-output-noise-generators-12-18-ghz-pe8509-p.aspx)

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PE8509 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		FSCM NO. 53919		CAD FILE		SCALE N/A		SIZE A		147	
REV. B		FSCM NO. 53919		030308-B		N/A		A		147	

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