PASTERNACK
an INFINITE brand

SMA Calibrated Noise Source Bench-Top, Output Pout of 0 dBm, +120 VAC, 1 MHz to 2 GHz

Noise Generators Technical Data Sheet PE85N1017

Features

- 1 MHz to 2 GHz GHz Bandwidth
- Manually Controlled White Gaussian Noise Instrument
- Simple Operation
- Output Power 0 dBm
- Flatness +/- 2 dB
- 10 dB Rotary Attenutor with 1 dB steps
- 120 VAC power supply
- Bench Top or Rackmount chasis
- Front panel support output Female SMA connector
- On/Off power switch
- Rotary Attenuator knob.

Applications

- System and Component Wireless Additive white Gaussian Noise and SNR testing
- signal simulation
- HDTV and CATV testing
- Bit Error Rate (BER) testing
- Military Applications

Description

The PE85N1017 is a general purpose calibrated noise instrument which operates over the frequency range of 1 MHz to 2 GHz. This instrument generates an output power level of 0 dBm with +/- 2 dB flatness. The design features a manually controlled 10 dB rotary attenuator with 1 dB adjustable steps, making it simple to operate with reduced test set up time. The instrument incorporates a precision noise source, amplifier, attenuator, and power supply, and delivers a repeatable, symmetrical white Gaussian Noise signal. The chassis design can be used for bench top or in a rack test station. Ideal for applications that include system and component wireless testing, signal simulation, HDTV and CATV testing, as well as a general purpose test source for Bit Error Rate (BER) testing. The power requirement is 120 VAC at 60 Hz and the operational temperature range is -20°C to +75°C. The rugged package supports an output female SMA connector, rotary dial for attenuation, and on/off AC power switch on the front panel.

Electrical Specifications

RF Characteristics

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.001		2	GHz
Impedance		50		Ohms
Flatness		±2		dB
Noise Attenuator (in 1 Steps)			10	dB
Output Power		0		dBm
Operating AC Voltage		120		VAC

Electrical Specification Notes:
Output: White Gaussian Noise
AC Power: Standard line voltages

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: SMA Calibrated Noise Source Bench-Top, Output Pout of 0 dBm, +120 VAC, 1 MHz to 2 GHz PE85N1017

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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Mechanical Specifications

Size

Length	14.5 in [368.3 mm]
Width/Dia.	8.7 in [220.98 mm]
Height	5.25 in [133.35 mm]
Weight	10.7 lbs [4.85 Kg]
Package Type	Connectorized Module
Output Connector	SMA Female

Environmental Specifications

Temperature

Operating Range	-20 to +75 deg C
ESD Sensitivity	ESD Sensitive Material, Transport material in Approved ESD bags. Handle only in ESD Workstation.

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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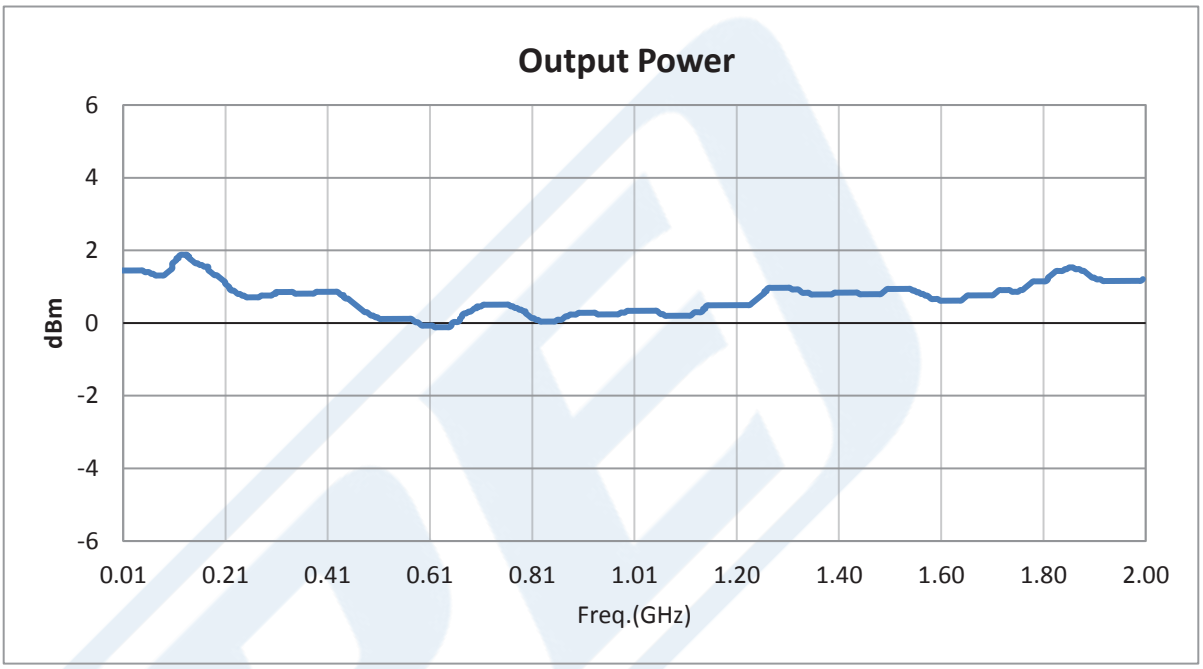
Typical Performance Data



SMA Calibrated Noise Source Bench-Top, Output Pout of 0 dBm, +120 VAC, 1 MHz to 2 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.

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URL: https://www.pasternack.com/sma-calibrated-noise-source-pout-0-dbm-2-ghz-pe85n1017-p.aspx

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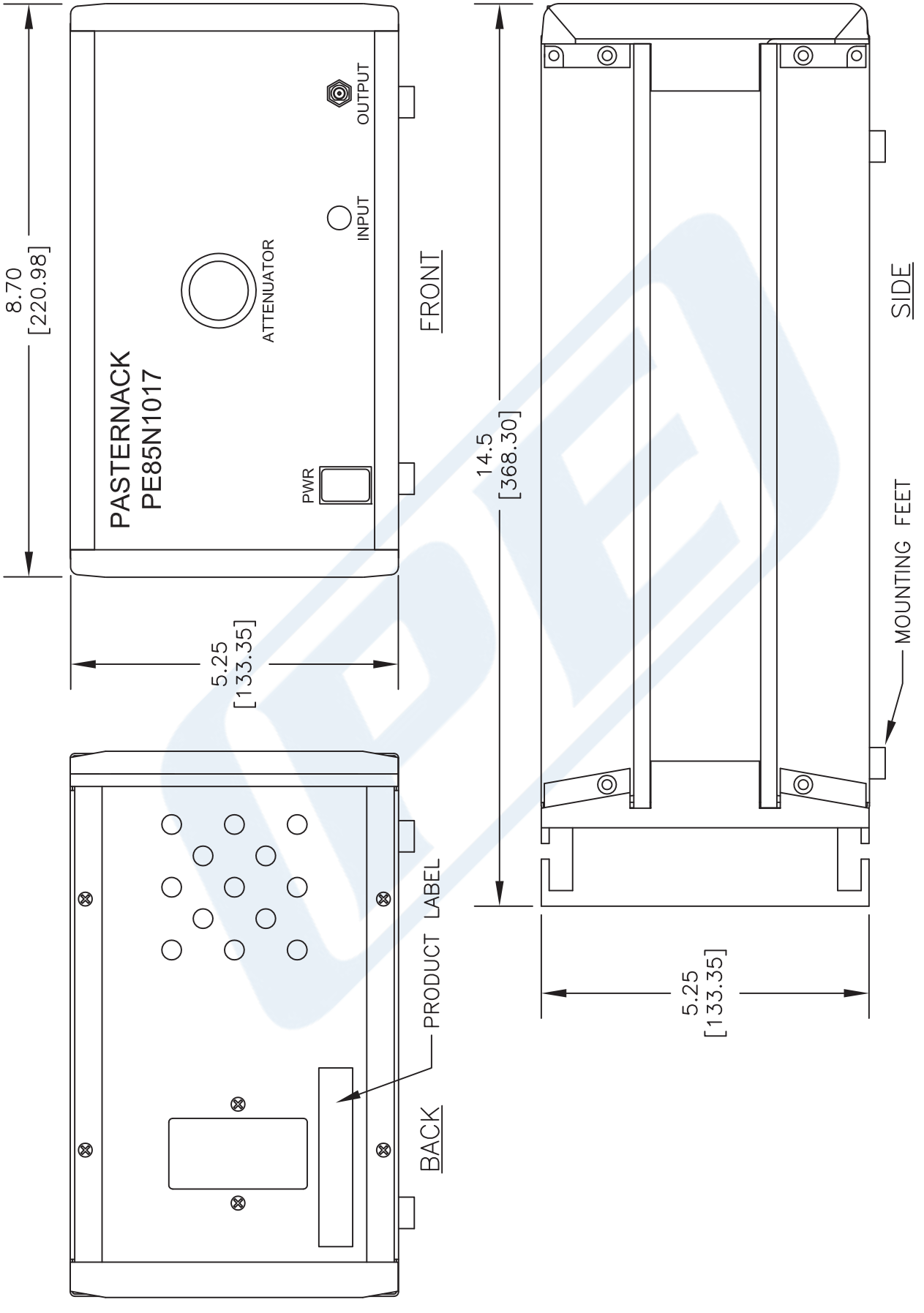
PE85N1017 CAD Drawing

SMA Calibrated Noise Source Bench-Top, Output Pout
of 0 dBm, +120 VAC, 1 MHz to 2 GHz



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	CAD FILE	SCALE	SIZE
PE85N1017	011816	N/A	A
FSCM NO. 53919			2233

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