



## 50 Ohm SMA Amplifier Operating From 6 GHz to 18 GHz With 22 dB Gain And 13 dB P1db

### TECHNICAL DATA SHEET

PE1523

#### 50 Ohm SMA Amplifier Operating From 6 GHz to 18 GHz With 22 dB Gain And 13 dB P1db

##### Configuration

Design	LNA Amplifier
RF Input Connector	SMA Female
RF Input Connector Impedance	50 Ohms
RF Output Connector	SMA Female
RF Output Connector Impedance	50 Ohms
DC Bias Connector	Solder Pin

##### Electrical Specifications

Frequency Range, GHz	6 to 18
Typical Gain, dB	22
Output at 1 dB Compression Point, dBm	13
Maximum RF Input VSWR	2
Maximum RF Output VSWR	2
Operating DC Voltage, Volts	12
Maximum DC Current, mA	150

##### Mechanical Specifications

###### Temperature

Operating Range, deg C	-30 to +70
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###### Size

Length, in [mm]	1.45 [36.83]
Width/Dia., in [mm]	0.39 [9.91]
Height, in [mm]	0.78 [19.81]

###### RF Input Connector

Type	SMA Female
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###### RF Output Connector

Type	SMA Female
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###### DC Bias Connector

Type	Solder Pin
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##### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
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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 Amplifier Operating From 6 GHz to 18 GHz With 22 dB Gain And 13 dB P1db PE1523](#)

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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**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

50 Ohm SMA Amplifier Operating From 6 GHz to 18 GHz With 22 dB Gain And 13 dB P1db 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.

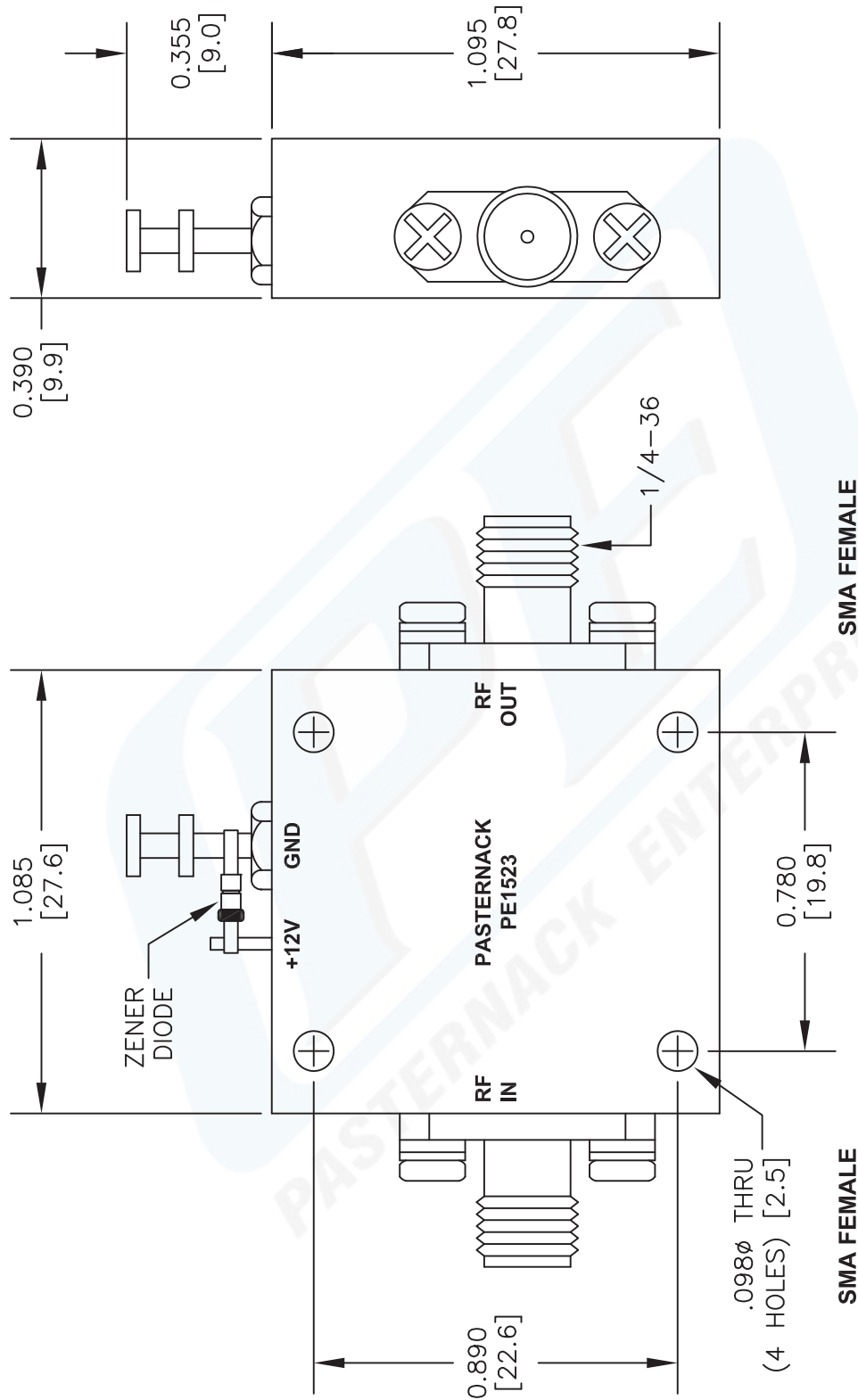
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm SMA Amplifier Operating From 6 GHz to 18 GHz With 22 dB Gain And 13 dB P1db PE1523](http://www.pasternack.com/50-ohm-sma-amplifier-6000-mhz-18000-mhz-21-db-gain-pe1523-p.aspx)

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# PE1523 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

**PE1523**

FSCM NO. 53919

2233

SIZE A

SCALE N/A

CAD FILE 011513-B

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