

## SMA Female Precision Connector Clamp/ Solder Attachment for PE-P142LL



### **RF Connectors Technical Data Sheet**

PE44814

## Configuration

- SMA Female Connector
- 50 Ohms
- Straight Body Geometry

#### **Features**

- Max. Operating Frequency 26.5 GHz
- Excellent VSWR of 1.18:1

- PE-P142LL Interface Type
- Clamp/Solder Attachment
- Precision Design
- Gold over Nickel Plated Beryllium Copper Contact
- 50 µin minimum contact plating

## **Applications**

General Purpose Test

Precision Test & Measurement

Custom Cable Assemblies

#### Description

Pasternack's PE44814 SMA female precision connector with clamp/solder attachment for PE-P142LL is part of our full line of RF components available for same-day shipping. Our SMA female connector operates up to a maximum frequency of 26.5 GHz and offers excellent VSWR of 1.18:1.

Our SMA female connector PE44814 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

### **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		26.5	GHz
VSWR			1.18:1	
Insertion Loss			0.26	dB
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
High Potential Voltage			670	Vrms
5 to 7.5 MHz				
Corona Discharge at 70,000 ft			250	Vrms
Insulation Resistance	5,000			MOhms
RF Leakage	90			dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Female Precision Connector Clamp/Solder Attachment for PE-P142LL PE44814



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#### **Performance by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 18	18 to 22	22 to 26.5			GHz
VSWR, Max	1.14:1	1.16:1	1.18:1			

**Electrical Specification Notes:** 

Insertion loss: 0.05 x sqrt(fGHz) dB max.

## **Mechanical Specifications**

Size

Length 1.26 in [32 mm] Width/Dia. 0.37 in [9.40 mm] 0.022 lbs [9.98 g] Weight

### **Material Specifications**

		Plating
Contact	Beryllium Copper	Gold over Nickel 50 µin minimum
Insulation	PTFE	
Body	Passivated Stainless Steel	SAE-AMS-2700

## **Environmental Specifications**

**Temperature** 

**Operating Range** -65 to +165 deg C

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Compliance Certifications (see product page for current document)

#### **Plotted and Other Data**

Notes:

SMA Female Precision Connector Clamp/Solder Attachment for PE-P142LL from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave 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: SMA Female Precision Connector Clamp/Solder Attachment for PE-P142LL PE44814

URL: https://www.pasternack.com/sma-female-pe-p142ll-connector-pe44814-p.aspx

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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.



# PE44814 CAD Drawing

SMA Female Precision Connector Clamp/Solder Attachment for PE-P142LL

