

## SMA Female Bulkhead Mount Space Connector Clamp/Solder Attachment for PE-R200LL



### PE5142

#### Configuration

- SMA Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-R200LL
- Bulkhead
- Space Design

#### Features

- Max. Operating Frequency 26.5 GHz
- Excellent VSWR of 1.2:1
- Gold Plated Beryllium Copper Contact
- 30  $\mu$ m min per ASTM-B-488 over 50  $\mu$ m min Nickel per AMS-QQ-N-290 contact plating

#### Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies
- Low Earth Orbit (LEO)
- Space Applications (Exploration, Launches, Maintenance, Stations)
- Ground Systems
- Satellites
- Launch Vehicles
- Rover Vehicles

#### Description

Pasternack's PE5142 SMA female bulkhead space connector with clamp/solder attachment for PE-R200LL 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 1.2:1. This PE5142 SMA female connector is designed for space applications including low earth orbit, space launches, space maintenance, satellites, and many more. This connector comes with a beryllium copper contact material and a body material of passivated stainless steel. The SMA female connector designed for space has a gold plated contact and operates between -65 deg C to +165 deg C. This SMA bulkhead connector allows designers to create external connections on their product enclosures and can be used in a variety of other rack mount and panel mount applications.

Our SMA female connector PE5142 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			1.2:1	
Impedance		50		Ohms

#### Mechanical Specifications

##### Size

Length	1.39 in [35.31 mm]
Width	0.437 in [11.1 mm]
Height	0.437 in [11.1 mm]
Weight	0.031 lbs [14.06 g]
Mating Cycles	500 Cycles

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#### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 30 µin min per ASTM-B-488 over 50 µin min Nickel per AMS-QQ-N-290
Insulation	PTFE	
Body	Stainless Steel	Passivated AMS-2700
Retaining Ring	Beryllium Copper	
Gasket	Silicone Rubber	
Crimp Sleeve	Brass	Gold
O-Ring	Silicone Rubber	

Mechanical Specification Notes:  
Interface in accordance with MIL-STD-348

#### Environmental Specifications

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

**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

SMA Female Bulkhead Mount Space Connector Clamp/Solder Attachment for PE-R200LL 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Bulkhead Mount Space Connector Clamp/Solder Attachment for PE-R200LL PE5142](#)

URL: <https://www.pasternack.com/sma-female-pe-r200ll-connector-pe5142.html>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

# PE5142 CAD Drawing

SMA Female Bulkhead Mount Space Connector Clamp/Solder Attachment for PE-R200LL

