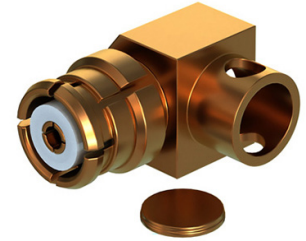


SMP Female Right Angle Engineering Grade Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

PE48093



Configuration

- SMP Female Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405
- Engineering Grade Design

Features

- Max. Operating Frequency 26.5 GHz
- Good VSWR of 1.35:1
- Gold over Nickel-Phosphorus Alloy over Copper Plated Beryllium Copper Contact
- Blind Mate Connector

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE48093 Right Angle SMP Female Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN and RG405 Cable is part of our full line of RF components available for same-day shipping. Our SMP female connector operates up to a maximum frequency of 26.5 GHz and offers good VSWR of 1.35:1. The Pasternack blind mate connector is ideal for applications where direct visual or tactile access to the connection point is not possible, for example, when two circuit boards need to be mated. Its right angle body geometry allows for easier connections in tight spaces.

Our SMP female right angle connector PE48093 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

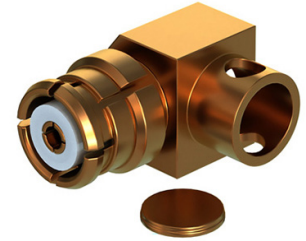
Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		26.5	GHz
VSWR			1.35:1	
Insertion Loss			0.309	dB
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms
Inner Conductor DC Resistance			6	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	65			dB
Impedance		50		Ohms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 18	18 to 26.5				GHz
VSWR, Max	1.2:1	1.35:1				

SMP Female Right Angle Engineering Grade
Connector Solder Attachment for PE-SR405AL, PE-
SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

PE48093



Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Insertion Loss, Max	0.254	0.309				dB

Electrical Specification Notes:
Insertion loss = $0.06 \cdot \text{SQRT}(\text{FGHz})$ dB

Mechanical Specifications

Size	
Length	0.266 in [6.76 mm]
Width	0.155 in [3.94 mm]
Height	0.137 in [3.48 mm]
Weight	0.05 lbs [22.68 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel-Phosphorus Alloy over Copper
Insulation	PTFE	
Outer Conductor	Beryllium Copper	Gold over Nickel-Phosphorus Alloy over Copper
Body	Beryllium Copper	Gold over Nickel-Phosphorus Alloy over Copper
Retaining Ring	Beryllium Copper	Gold over Nickel-Phosphorus Alloy over Copper

Mechanical Specification Notes:
Engagement Force: 15 lbs (Full Detent), 10 lbs (Limited Detent), 2 lbs (Smooth Bore & Catchers mit)
Disengagement Force: 5 lbs (Full Detent), 2 lbs (Limited Detent), 0.5 lbs (Smooth Bore & Catchers mit)
Durability (Mating): 100 (Full Detent), 500 (Limited Detent), 1000 (Smooth Bore & Catchers mit)

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C
Humidity	MIL-STD-202, Method 106
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

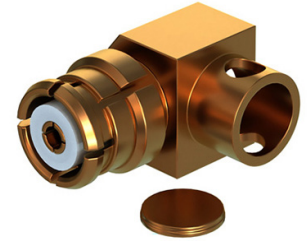
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

SMP Female Right Angle Engineering Grade
Connector Solder Attachment for PE-SR405AL, PE-
SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

PE48093



SMP Female Right Angle Engineering Grade Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 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: [SMP Female Right Angle Engineering Grade Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE48093](https://www.pasternack.com/smp-female-pe-sr405al-pe-sr405fl-pe-sr405tn-rg405-connector-pe48093.html)

URL: <https://www.pasternack.com/smp-female-pe-sr405al-pe-sr405fl-pe-sr405tn-rg405-connector-pe48093.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.

PE48093 CAD Drawing

SMP Female Right Angle Engineering Grade Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

