

3.5mm Male Right Angle Connector Clamp/Solder Attachment for PE-141FL-NM, PE-SR141-NM, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, RG402



PE517795

Configuration

- 3.5mm Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: PE-141FL-NM, PE-SR141-NM, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, RG402, RG402 Tinned

Features

- Max. Operating Frequency 26.5 GHz
- Excellent VSWR of 1.25:1
- Gold over Nickel over Copper Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE517795 Right Angle 3.5mm Male Connector Clamp/Solder Attachment for PE-141FL-NM, PE-SR141-NM, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, RG402 and RG402 Tinned Cable is part of our full line of RF components available for same-day shipping. Our 3.5mm male connector operates up to a maximum frequency of 26.5 GHz and offers excellent VSWR of 1.25:1. Its right angle body geometry allows for easier connections in tight spaces.

Our 3.5mm male right angle connector PE517795 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			1.25:1	
Insertion Loss			0.154	dB
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	100			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	1.25:1				
Insertion Loss, Max	0.127	0.154				dB

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Mechanical Specifications

Size

Length	0.74 in [18.8 mm]
Width	0.315 in [8 mm]
Height	0.68 in [17.27 mm]
Weight	0.02 lbs [9.07 g]
Mating Cycles	500 Cycles
Mating Torque	7.1 to 9.7 in-lbs [0.80 to 1.10 Nm]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel over Copper
Insulation	PPO	
Outer Conductor	Stainless Steel	Passivated
Body	Stainless Steel	Passivated
Coupling Nut	Brass	Copper-Tin-Zinc Alloy
Retaining Ring	Beryllium Copper	Copper-Tin-Zinc Alloy
Gasket	Silicone	
Crimp Sleeve	Brass	Gold over Nickel over Copper

Environmental Specifications

Temperature

Operating Range	-55 to +105 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:

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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: [3.5mm Male Right Angle Connector Clamp/Solder Attachment for PE-141FL-NM, PE-SR141-NM, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, RG402 PE517795](https://www.pasternack.com/3.5mm-male-pe-141fl-nm-pe-sr141-nm-connector-pe517795.html)

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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.

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