

3.5mm Male Connector Clamp/Solder Attachment for PE-P141, PE-P141LL



PE517797

Configuration

- 3.5mm Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-P141, PE-P141LL

Features

- Max. Operating Frequency 26.5 GHz
- Excellent VSWR of 1.2:1
- Gold over Nickel over Copper Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE517797 3.5mm Male Connector Clamp/Solder Attachment for PE-P141 and PE-P141LL 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 1.2:1.

Our 3.5mm male connector PE517797 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	
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

Mechanical Specifications

Size

Length	1.203 in [30.56 mm]
Width	0.374 in [9.5 mm]
Height	0.374 in [9.5 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]]

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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	Stainless Steel	Passivated
Retaining Ring	Beryllium Copper	Copper-Tin-Zinc Alloy
Gasket	Silicone	
Crimp Sleeve	Brass	Copper-Tin-Zinc Alloy
Solder Sleeve	Brass	

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:

3.5mm Male Connector Clamp/Solder Attachment for PE-P141, PE-P141LL 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: [3.5mm Male Connector Clamp/Solder Attachment for PE-P141, PE-P141LL PE517797](#)

URL: <https://www.pasternack.com/3.5mm-male-pe-p141-pe-p141ll-connector-pe517797.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.

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