

3.5mm Female Bulkhead Mount Connector Clamp/ Solder Attachment for PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid

PE51278

Configuration

- 3.5mm Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid
- Bulkhead

Features

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

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

Description

Pasternack's PE51278 , 3.5mm, Standard, Connector is part of our full line of RF components available for same-day shipping. Our 3.5mm female connector operates up to a maximum frequency of 26.5 MHz and offers excellent VSWR of 1.25:1. This 3.5mm 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 3.5mm female bulkhead connector PE51278 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	MHz
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
RF Leakage	100			dB
Impedance		50		Ohms

Electrical Specification Notes:

Insertion loss is = $0.03 \cdot \sqrt{F(\text{GHz})}$ dB

Mechanical Specifications

Size

Length	0.401575 in [10.2 mm]
Width	0.401575 in [10.2 mm]
Height	0.84252 in [21.4 mm]
Weight	0.015 lbs [6.8 g]

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Mating Cycles	500 Cycles
Mating Torque	7.1 to 15 in-lbs [[0.80 to 1.70 Nm]]
Cable Retention Force	6.1 lbs [2.77 kg]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel
Insulation	PPO	
Body	Stainless Steel	Passivated
Coupling Nut	Stainless Steel	Passivated
Solder Sleeve	Stainless Steel	Passivated
Washer	Stainless Steel	Passivated

Environmental Specifications

Temperature	
Operating Range	-55 to +105 deg C
Thermal Shock	MIL-STD-202, Method 107, Condition B

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

Plotted and Other Data

Notes:

3.5mm Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid 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 Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid PE51278](#)

URL: <https://www.pasternack.com/3.5mm-female-pe-047sr-pe-p047-pe-sr047al-connector-pe51278-p.aspx>

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