

SMA Male Non-Magnetic Connector Solder Attachment for PE-SR047-NM



PE517810

Configuration

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-SR047-NM
- Non-Magnetic Design

Features

- Max. Operating Frequency 32 GHz
- Excellent VSWR of 1.25:1
- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE517810 SMA Male Connector Solder Attachment for PE-SR047-NM Cable, is part of our full line of RF components available for same-day shipping. Our SMA male connector operates up to a maximum frequency of 32 GHz and offers excellent VSWR of 1.25:1.

Our SMA male connector PE517810 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 | | 32 | GHz |
| VSWR | | | 1.25:1 | |
| Insertion Loss | | | 0.17 | dB |
| Impedance | | 50 | | Ohms |

Electrical Specification Notes:

Insertion Loss is equal to $0.03 \cdot \sqrt{f(\text{GHz})}$

Mechanical Specifications

Size

| | |
|---------------|------------------------------------|
| Length | 0.312 in [7.92 mm] |
| Width | 0.312 in [7.92 mm] |
| Height | 0.429 in [10.9 mm] |
| Weight | 0.005 lbs [2.27 g] |
| Mating Torque | 7 to 10 in-lbs [[0.79 to 1.13 Nm]] |

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Material Specifications

| Description | Material | Plating |
|--------------|------------------|---------|
| Contact | Beryllium Copper | Gold |
| Insulation | PTFE | |
| Body | Beryllium Copper | Gold |
| Coupling Nut | Beryllium Copper | Gold |
| Gasket | Silicone Rubber | |

Environmental Specifications

Temperature

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

Plotted and Other Data

Notes:

SMA Male Non-Magnetic Connector Solder Attachment for PE-SR047-NM 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 Male Non-Magnetic Connector Solder Attachment for PE-SR047-NM PE517810](#)

URL: <https://www.pasternack.com/sma-male-pe-sr047-nm-connector-pe517810.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.

PE517810 CAD Drawing

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