

SMA Male Connector Solder Attachment for PE-020SR

RF Connectors Technical Data Sheet

PE4918

Configuration

- SMA Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-020SR
- 5/16 inch Hex

Features

- Max. Operating Frequency 18 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4918 SMA male connector with solder/solder attachment for PE-020SR 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 18 GHz and offers good VSWR of 1.3:1.

Our SMA male connector PE4918 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.

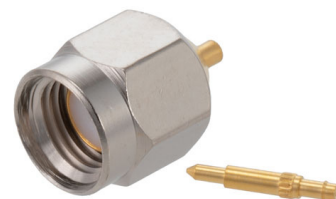
Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.3:1	
Operating Voltage (AC)			125	Vrms
Dielectric Withstanding Voltage (AC)			375	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size	
Length	0.499 in [12.67 mm]
Width/Dia.	0.312 in [7.92 mm]
Weight	0.007 lbs [3.18 g]
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Solder Attachment for PE-020SR PE4918](#)



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Material Specifications

Description	Material	Plating
Contact	Brass	Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Gold MIL-G-45204
Coupling Nut	Brass	Nickel QQ-N-290

Environmental Specifications

Temperature

Operating Range

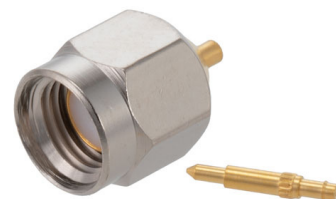
-65 to +165 deg C

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Solder Attachment for PE-020SR PE4918](#)

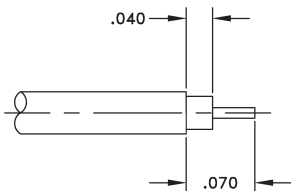


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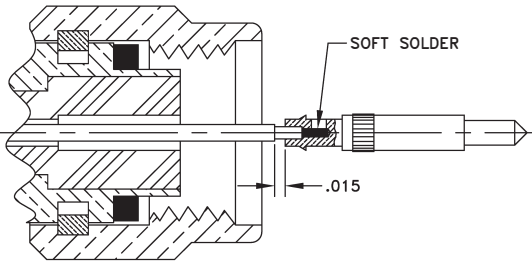
PE4918

Assembly Instruction

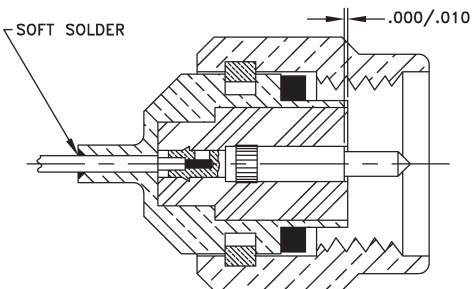


CABLE ASSEMBLY
INSTRUCTIONS SMA PLUG,
SEMI-RIGID CABLE

- 1.) STRIP CABLE TO DIMENSIONS SHOWN.
DO NOT NICK CENTER CONDUCTOR.
SLIDE CABLE THROUGH BODY FROM BACK SIDE.

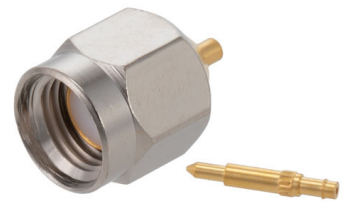


2.) INSERT TRIMMED CABLE INTO CONTACT UNTIL
DIELECTRIC BOTTOMS INSIDE CONTACT.
SOFT SOLDER CENTER CONDUCTOR. DO NOT
OVER HEAT AND SWELL DIELECTRIC.



3.) USING "OPEN" END OF PE5TL1008 ASSEMBLY TOOL,
PRESS CONTACT FULLY INTO INSULATOR.
SOLDER CABLE JACKET TO BODY AS SHOWN.

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SMA Male Connector Solder Attachment for PE-020SR 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 Connector Solder Attachment for PE-020SR PE4918](https://www.pasternack.com/sma-male-standard-pe-020sr-connector-pe4918-p.aspx)

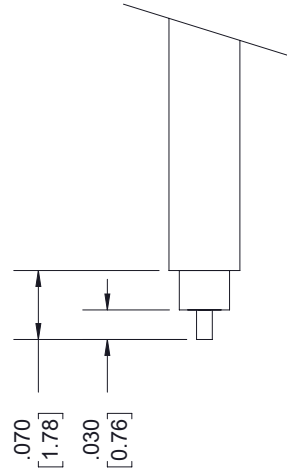
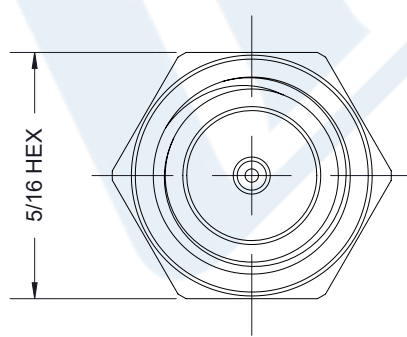
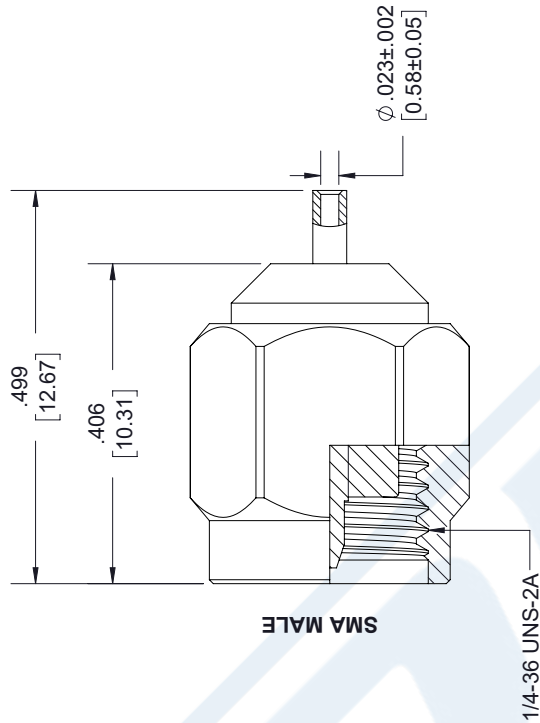
URL: <https://www.pasternack.com/sma-male-standard-pe-020sr-connector-pe4918-p.aspx>

The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE4918 CAD Drawing

SMA Male Connector Solder Attachment for PE-020SR

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/28/2020	SELLIS



STRIPPING DIMENSIONS

NOTES:

- CABLE ATTACHMENT:
 - OUTER: SOLDER.
 - INNER: SOLDER.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	
.X = ± .2	[.08]
.XX = ± .02	[.51]
.XXX = ± .005	[.13]
ANGLES ± 1°	
CABLE LENGTH (L) TOLERANCES:	
L ≤ 12 [305]	± .1 [25]
12 [305] < L ≤ 60 [1524]	± .2 [51]
60 [1524] < L ≤ 120 [3048]	± .4 [102]
120 [3048] < L ≤ 300 [7620]	± .6 [152]
300 [7620] < L	± .5% L / -0
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	

THIRD-ANGLE PROJECTION	
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SHEET 1	OF 1
SCALE	N/A
SIZE	CAGE CODE
A	53919
DRAWN BY	K. DANG
ITEM NO.	PE4918
REV	A



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