



4.1/9.5 Mini DIN Male Low PIM Connector Solder Attachment for PE-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250

RF Connectors
Technical Data Sheet

PE45650

## Configuration

- 4.1/9.5 Mini DIN Male Connector
- •50 Ohms
- Straight Body Geometry

#### **Features**

- Max. Operating Frequency 6 GHz
- PIM levels lower than -160 dBc

- Connector Interface Types: PE-1/4SFHC, SPP-250-LL-PL, SPO-250, SPF-250
- Low PIM Design
- Silver Plated Brass Contact

## **Applications**

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications

#### **Description**

Pasternack's PE45650 4.1/9.5 Mini DIN male connector with solder/solder attachment for PE-1/4SFHC, SPP-250-LLPL, SPO-250 and SPF-250 is part of our full line of RF components available for same-day shipping. Our 4.1/9.5 Mini DIN male connector operates up to a maximum frequency of 6 GHz. The 4.1/9.5 Mini DIN male connector also has low passive intermodulation of -160 dBc.

Our 4.1/9.5 Mini DIN male connector PE45650 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		6	GHz
Passive Intermodulation			-160	dBc
Dielectric Withstanding Voltage (AC)			1,000	Vrms

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3					GHz
VSWR, Max	1.15:1					

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 4.1/9.5 Mini DIN Male Low PIM Connector Solder Attachment for PE-1/4SFHC, SPP-250-LL-PL, SPO-250, SPF-250 PE45650

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RF Connectors Technical Data Sheet

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#### **Mechanical Specifications**

Size

 Length
 0.86 in [21.84 mm]

 Width/Dia.
 0.94 in [23.88 mm]

 Weight
 0.08 lbs [36.29 g]

#### **Material Specifications**

Description	Material	Plating		
Contact	Brass	Silver		
Insulation	PTFE			
Body	Brass	Tri-Metal		
Coupling Nut	Brass	Tri-Metal		
O-Ring	Silicone			

Mechanical Specification Notes: Interface Conforms to IEC61169-11

## **Environmental Specifications**

Temperature

Operating Range -40 to +155 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: 4.1/9.5 Mini DIN Male Low PIM Connector Solder Attachment for PE-1/4SFHC, SPP-250-LL-PL, SPO-250, SPF-250 PE45650

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RF Connectors
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4.1/9.5 Mini DIN Male Low PIM Connector Solder Attachment for PE-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250 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.

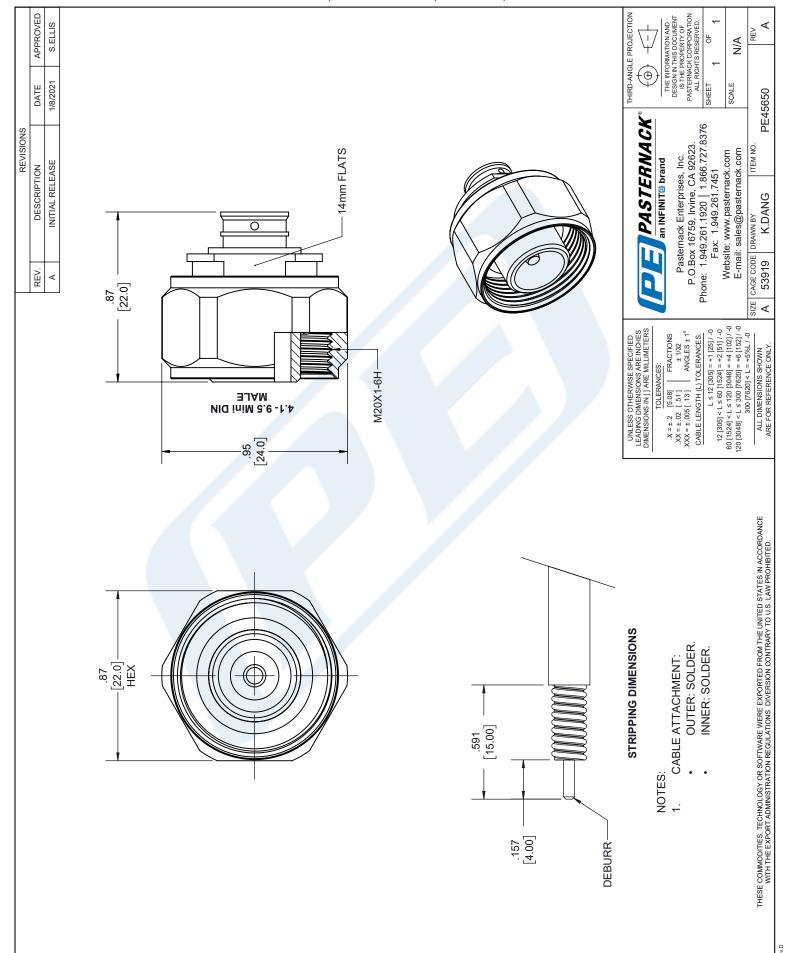
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 4.1/9.5 Mini DIN Male Low PIM Connector Solder Attachment for PE-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250 PE45650

URL: https://www.pasternack.com/4.1-9.5-mini-din-male-pe-1-4sfhc-spp-250-llpl-connector-pe45650-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.

# PE45650 CAD Drawing

4.1/9.5 Mini DIN Male Low PIM Connector Solder Attachment for PE-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250







N Male Right Angle Low PIM Connector Solder Attachment for PE-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250

**RF** Connectors Technical Data Sheet

PE45665

## Configuration

- N Male Connector
- 50 Ohms
- Right Angle Body Geometry

#### **Features**

- Max. Operating Frequency 6 GHz
- PIM levels lower than -160 dBc

- Connector Interface Types: PE-1/4SFHC, SPP-250-LL-PL, SPO-250, SPF-250
- Low PIM Design
- Silver Plated Brass Contact

## **Applications**

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications

## **Description**

Pasternack's PE45665 type N male right angle connector with solder/solder attachment for PE-1/4SFHC, SPP-250-LLPL, SPO-250 and SPF-250 is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 6 GHz. The type N male connector also has low passive intermodulation of -160 dBc. Its right angle body geometry allows for easier connections in tight spaces.

Our type N male right angle connector PE45665 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**

Minimum	Typical	Maximum	Units
DC		6	GHz
		-160	dBc
		750	Vrms
		710.00	DC 6 -160

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3	3 to 6				GHz
VSWR, Max	1.25:1	1.35:1				

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Male Right Angle Low PIM Connector Solder Attachment for PE-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250 PE45665

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N Male Right Angle Low PIM Connector Solder Attachment for PE-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250

RF Connectors Technical Data Sheet

PE45665

#### **Mechanical Specifications**

Size

 Length
 1.23 in [31.24 mm]

 Width/Dia.
 0.85 in [21.59 mm]

 Weight
 0.11 lbs [49.9 g]

#### **Material Specifications**

Description	Material	Plating
Contact	Brass	Silver
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal

Mechanical Specification Notes: Interface Conforms to IEC 61169-16

### **Environmental Specifications**

**Temperature** 

Operating Range -40 to +155 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: N Male Right Angle Low PIM Connector Solder Attachment for PE-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250 PE45665

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# N Male Right Angle Low PIM Connector Solder Attachment for PE-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250



RF Connectors
Technical Data Sheet

PE45665

N Male Right Angle Low PIM Connector Solder Attachment for PE-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250 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: N Male Right Angle Low PIM Connector Solder Attachment for PE-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250 PE45665

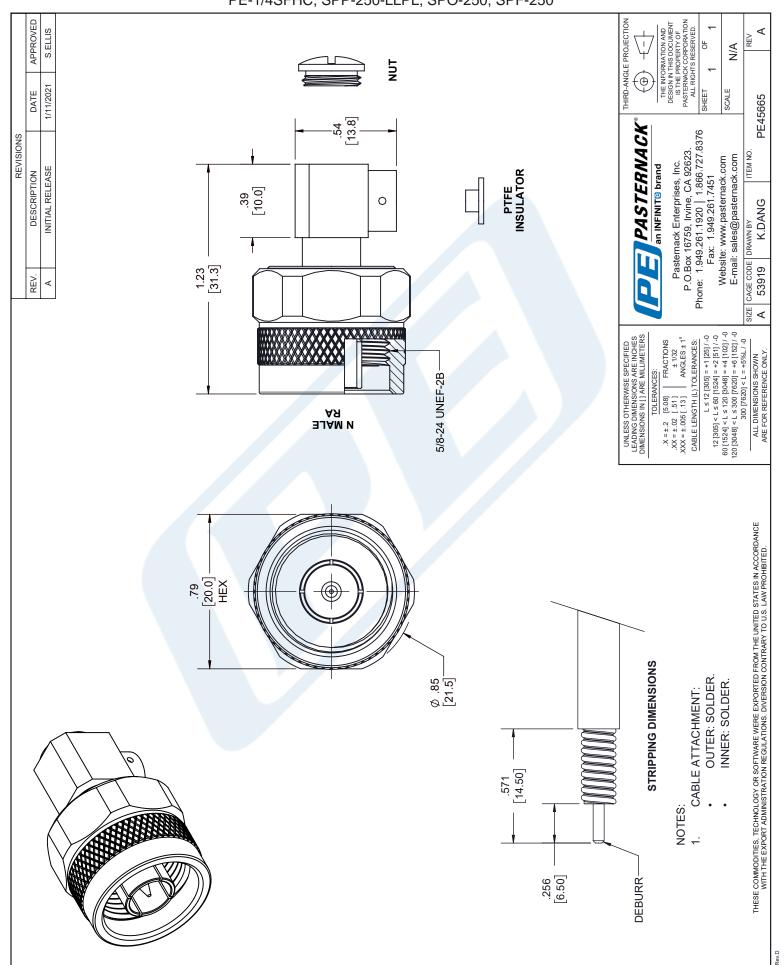
URL: https://www.pasternack.com/n-male-pe-1-4sfhc-spp-250-llpl-connector-pe45665-p.aspx

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# PE45665 CAD Drawing

N Male Right Angle Low PIM Connector Solder Attachment for PE-1/4SFHC, SPP-250-LLPL, SPO-250, SPF-250







# Low Loss SPF-250 Rated Corrugated Coax Cable with Black FRPE Jacket Superflexible Fire Rated

# **RF Cables** Technical Data Sheet



# **Times Microwave Systems Coax Cable Specification** Configuration

- · Low Loss Corrugated Cable
- 1 Shield(s)

#### **Features**

- PIM < -160 dBc
- UL Listed, Type CMR Riser Rated Cable
- · Lightweight and Extremely Flexible

- Low Loss Dielectric 83% VoP
- Shielding > 100 dB
- Fire Rated Low Smoke Polyolefin Jacket

## **Applications**

- · Distributed Antenna Systems
- · UL Listed, Type CMR Riser
- **Applications**
- Low Smoke Requirements
- Small Cell

- Outdoor Applications
- Antenna Jumpers

#### Description

SPF-250 low loss, low PIM Fire Retardant coax cable by Times Microwave is part of our full line of RF components available for same-day shipping. The SPF-250 coaxial cable features a low loss dielectric with an 83% velocity of propagation (VoP), solid copper center conductor and a helically corrugated, copper outer conductor. This cable is UL listed, type CMR (riser) rated coax. These features combine to make the Times Microwave SPF-250 a super flexible, low PIM coax cable that is well suited for use as an antenna jumper cable, Distributed Antenna Systems (DAS), small cell, and other applications where Fire Rated material is required. The durable UV and sunlight resistant black flame retardant, non-halogen, polyethylene jacket makes this cable appropriate for a wide range of indoor or outdoor applications.

Our datasheet specifications and drawing with dimensions for Times Microwave SPF-250 coax cable are shown below in this PDF. Whether the need is to provide a low PIM jumper connection, low PIM feeder cable or simply create a custom cable assembly configuration, Pasternack has the right SPF-250 low PIM cable assembly for the job. See our web site to find the right connector cable combination for your application.

#### **Electrical Specifications**

Minimum	Typical	Maximum	Units
DC		5.8	GHz
	50		Ohms
	83		%
		-160	dBc
	24 [78.74]		pF/ft [pF/m]
	0.054 [0.18]		uH/ft [uH/m]
		DC 50 83 24 [78.74]	DC 5.8 50 83 -160 24 [78.74]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Low Loss SPF-250 Rated Corrugated Coax Cable with Black FRPE Jacket Superflexible Fire Rated SPF-250

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# Low Loss SPF-250 Rated Corrugated Coax Cable with Black FRPE Jacket Superflexible Fire Rated

# **RF Cables** Technical Data Sheet



#### **Performance by Frequency Band**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.45	1.5	2	2.5	5.8	GHz
Attenuation, Typ	4.1	7.8	9.13	10.33	16.65	dB/100ft
	13.45	25.59	29.95	33.89	54.63	dB/100m
Input Power (CW), Max	1,110	580	500	440	280	Watts

## **Mechanical Specifications**

Diameter Weight

Min. Bend Radius (Installation) **Bending Moment** 

0.303 in [7.7 mm] 0.057 lbs/ft [0.08 Kg/m]

1.25 in [31.75 mm] 0.5 lbs-ft [0.68 N-m]

#### **Construction Specifications**

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Aluminum1	0.075 in 1.91 mm
Conductor Type	Solid	
Dielectric	Foam PE	0.177 in 4.5 mm
Outer Conductor	Copper Corrugated	0.252 in 6.4 mm
Jacket	FRPE, Black	0.303 in [7.7 mm]

#### **Environmental Specifications**

**Temperature** 

**Operating Range** -40 to +85 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Low Loss SPF-250 Rated Corrugated Coax Cable with Black FRPE Jacket Superflexible Fire Rated SPF-250

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# Low Loss SPF-250 Rated Corrugated Coax Cable with Black FRPE Jacket Superflexible Fire Rated

# **RF Cables Technical Data Sheet**



Compliance Certifications (see product page for current document)

#### **Plotted and Other Data**

Notes:

Low Loss SPF-250 Rated Corrugated Coax Cable with Black FRPE Jacket Superflexible Fire Rated 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: Low Loss SPF-250 Rated Corrugated Coax Cable with Black FRPE Jacket Superflexible Fire Rated SPF-250

URL: https://www.pasternack.com/low-loss-corrugated-spf250-frpe-jacket-spf-250-p.aspx

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