

Slide-On BMA Plug Bulkhead to 3.5mm Male
Cable Using PE-SR402FL Coax



RF Cable Assemblies Technical Data Sheet

PE3W11264

Configuration

- Connector 1: Slide-OnBMA Plug Bulkhead
- Connector 2: 3.5mm Male
- Cable Type: PE-SR402FL

Features

- Max Frequency 20 GHz
- Shielding Effectivity > 110 dB
- 69.5% Phase Velocity
- 500 Mating Cycles

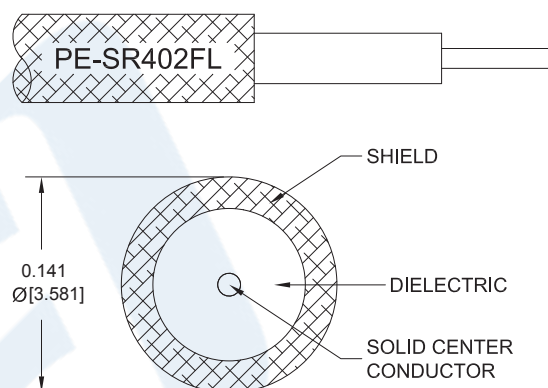
Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W11264 BMA plug slide-on bulkhead to 3.5mm male cable using PE-SR402FL coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack BMA to 3.5mm cable assembly has a plug to male gender configuration with 50 ohm formable PE-SR402FL coax. The PE3W11264 BMA plug to 3.5mm male cable assembly operates to 20 GHz. Our RF cable assembly with BMA bulkhead interface 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.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Slide-On BMA Plug Bulkhead to 3.5mm Male Cable Using PE-SR402FL Coax PE3W11264](#)

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		20	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
RF Shielding	110			dB
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		7.8 [25.59]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		5.5 [18.04]		Ω/1000ft [Ω/Km]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	20	GHz
Insertion Loss (Typ.)	0.12	0.162	0.268	0.418	0.7	dB/ft
	0.39	0.53	0.88	1.37	2.3	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Weight 0.043 lbs [19.5 g]

Cable

Cable Type PE-SR402FL
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper, Silver
Dielectric Type PTFE
Outer Conductor Material and Plating Tinned Copper Braid

Repeated Minimum Bend Radius 0.625 in [15.88 mm]

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Connectors

Description	Connector 1	Connector 2
Type	BMA Plug Bulkhead	3.5mm Male
Impedance	50 Ohms	50 Ohms
Connection Method	Slide-On	
Mating Cycles	500	500
Contact Material and Plating	Bronze, Gold	Beryllium Copper, Gold over Nickel
Contact Plating Specification	51.18µ in. minimum	50 µin minimum
Dielectric Type	PTFE	PCTFE
Outer Conductor Material and Plating	Brass, Tri-Metal	
Outer Conductor Plating Specification	78.74µ in. minimum	
Body Material and Plating	Brass, Tri-Metal	Passivated Stainless Steel
Body Plating Specification	78.74µ in. minimum	SAE-AMS-2700
Coupling Nut Material and Plating		Passivated Stainless Steel
Coupling Nut Plating Specification		SAE-AMS-2700
Hex Size	8 mm	16-May inch
Torque		8 in-lbs [0.9 Nm]

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

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

Plotted and Other Data

Notes:

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RF Cable Assemblies Technical Data Sheet

PE3W11264

How to Order

Part Number Configuration:

PE3W11264

- **xx**

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Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3W11264-12 = 12 inches long cable
PE3W11264-100cm = 100 cm long cable

Slide-On BMA Plug Bulkhead to 3.5mm Male Cable Using PE-SR402FL Coax 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.

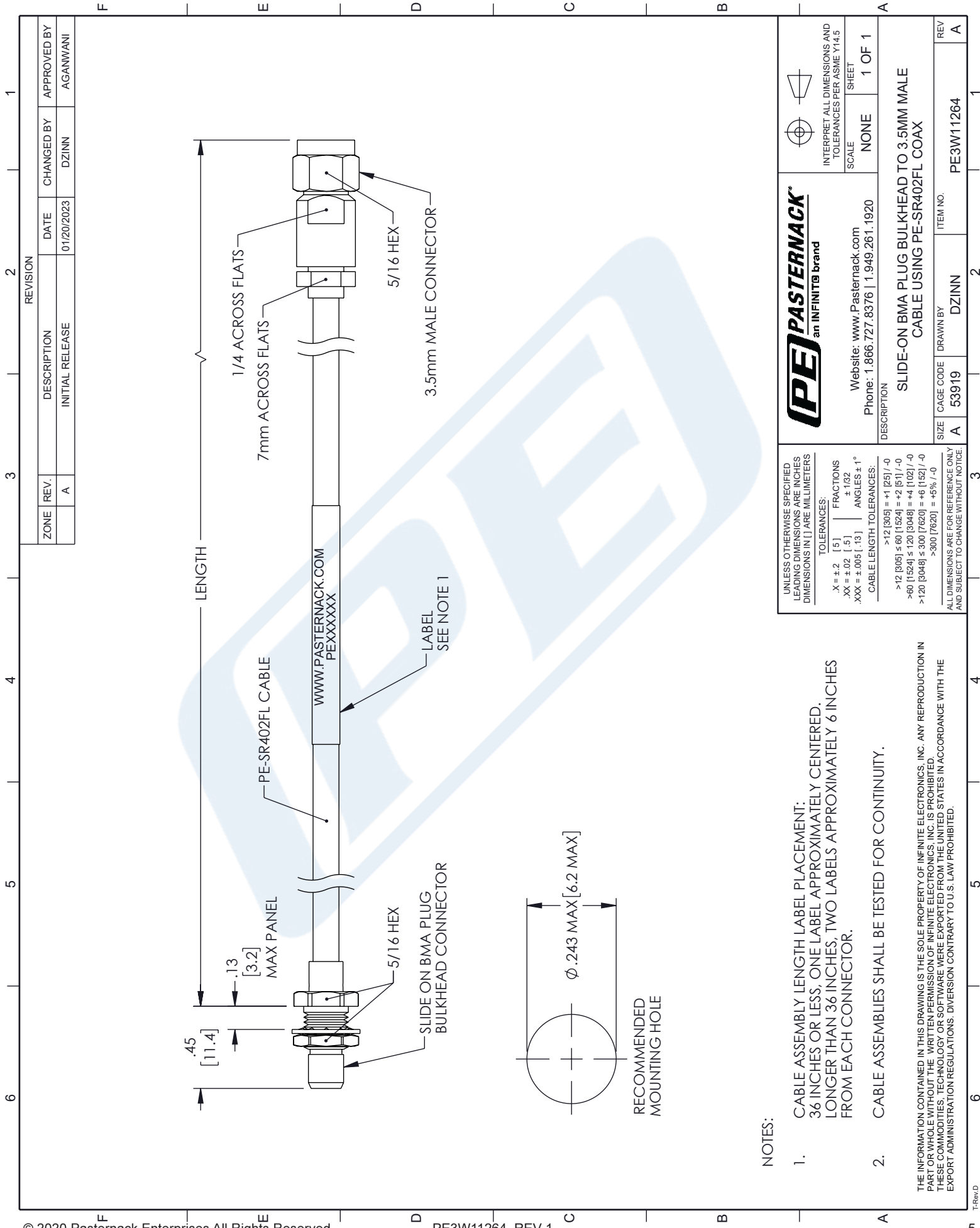
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Slide-On BMA Plug Bulkhead to 3.5mm Male Cable Using PE-SR402FL Coax PE3W11264](https://www.pasternack.com/slide-on-bma-plug-bulkhead-to-3.5mm-male-cable-using-pe-sr402fl-pe3w11264-p.aspx)

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PE3W11264 CAD Drawing

Slide-On BMA Plug Bulkhead to 3.5mm Male Cable Using PE-SR402FL Coax



NOTES:

- CABLE ASSEMBLY LENGTH LABEL PLACEMENT:
36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED.
LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
 - CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
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Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE: NONE SHEET: 1 OF 1	
DESCRIPTION SLIDE-ON BMA PLUG BULKHEAD TO 3.5MM MALE CABLE USING PE-SR402FL COAX		REV A	
SIZE A	CAGE CODE 53919	DRAWN BY DZINN	ITEM NO. PE3W11264