



Slide-On BMA Jack Right Angle 2 Hole Flange to SMA Male Cable Using RG142 Coax

RF Cable Assemblies Technical Data Sheet

PE3W10756

Configuration

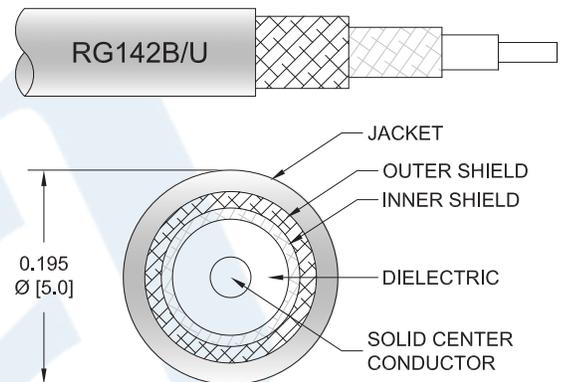
- Connector 1: Slide-OnBMA Jack Right Angle 2 Hole Flange
- Connector 2: SMA Male
- Cable Type: RG142

Features

- Max Frequency 8 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

Applications

- General Purpose
- Laboratory Use



Description

Pasternack's PE3W10756 BMA jack slide-on right angle 2 hole flange to SMA male cable using RG142 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack BMA to SMA cable assembly has a jack to male gender configuration with 50 ohm flexible RG142 coax. The PE3W10756 BMA jack to SMA male cable assembly operates to 8 GHz. The right angle BMA interface on the RG142 cable allows for easier connections in tight spaces. Our RF cable assembly with BMA 2 hole flange 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. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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 Jack Right Angle 2 Hole Flange to SMA Male Cable Using RG142 Coax PE3W10756](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
VSWR			1.5:1	
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Operating Voltage (AC)			350	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5	GHz
Insertion Loss (Typ.)	0.06	0.09	0.13	0.21	0.36	dB/ft
	0.2	0.3	0.43	0.69	1.18	

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB for the right angle connector and 0.1 dB for the straight connector.

Mechanical Specifications

Cable Assembly

Weight 0.08 lbs [36.29 g]

Cable

Cable Type RG142
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper Clad Steel, Silver
 Dielectric Type PTFE
 Number of Shields 2
 Shield Layer 1 Silver Plated Copper Braid
 Shield Layer 2 Silver Plated Copper Braid
 Jacket Material FEP, Tan
 Jacket Diameter 0.195 in [4.95 mm]
 Repeated Minimum Bend Radius 1 in [25.4 mm]

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Connectors

Description	Connector 1	Connector 2
Type	BMA Jack Right Angle 2 Hole Flange	SMA Male
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Connection Method	Slide-On	
Mating Cycles	500	
Contact Material and Plating	Beryllium Copper, Gold	Brass, Gold
Contact Plating Specification		50 µin minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Beryllium Copper, Gold	
Body Material and Plating	Brass, Tri-Metal	Brass, Nickel
Body Plating Specification		100 µin minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum
Hex Size		16-May inch
Torque		3 in-lbs [0.34 Nm]

Environmental Specifications

Temperature

Operating Range -55 to +165 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

PE3W10756

How to Order

Part Number Configuration:

PE3W10756

- **xx**

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

Example: PE3W10756-12 = 12 inches long cable
PE3W10756-100cm = 100 cm long cable

Slide-On BMA Jack Right Angle 2 Hole Flange to SMA Male Cable Using RG142 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.

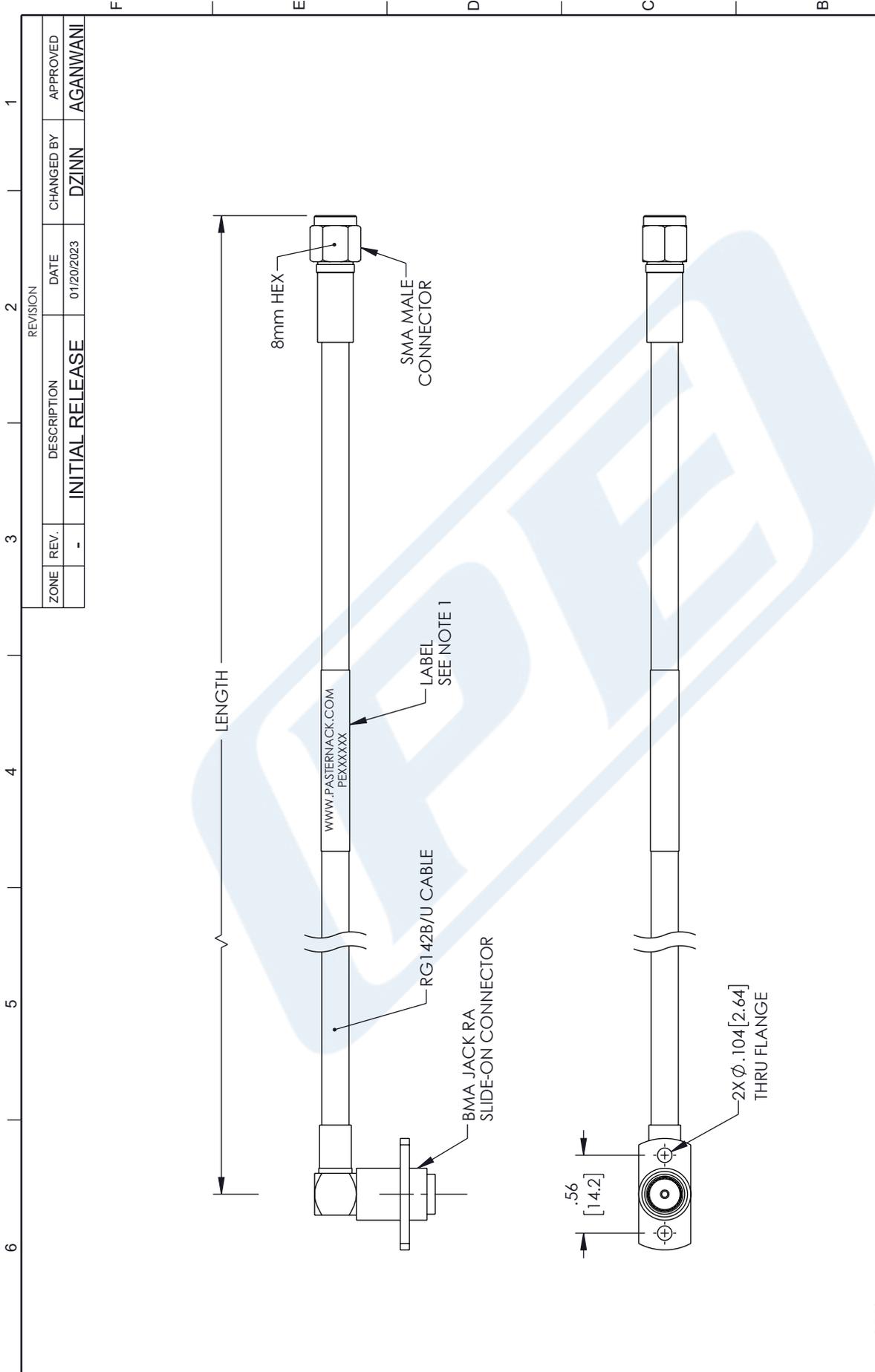
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Slide-On BMA Jack Right Angle 2 Hole Flange to SMA Male Cable Using RG142 Coax PE3W10756](https://www.pasternack.com/slide-on-bma-jack-right-angle-2-hole-flange-to-sma-male-cable-using-rg142-pe3w10756)

URL: <https://www.pasternack.com/slide-on-bma-jack-right-angle-2-hole-flange-to-sma-male-cable-using-rg142-pe3w10756-p.aspx>

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PE3W10756 CAD Drawing

Slide-On BMA Jack Right Angle 2 Hole Flange to SMA Male Cable Using RG142 Coax



NOTES:

- CABLE ASSEMBLIES WITH A LENGTH OF 36 INCHES OR LESS SHALL HAVE ONE LABEL APPLIED, APPROXIMATELY CENTERED, CABLES LONGER THAN 36 INCHES SHALL HAVE TWO LABELS APPLIED NEAR EACH END, APPROXIMATELY 6 INCHES FROM THE CONNECTOR.
 - CABLE ASSY SHALL BE TESTED FOR CONTINUITY.
- THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES: X = ±.2 [5] FRACTIONS ± 1/32 .XX = ±.02 [.5] ANGLES ± 1° .XXX = ±.005 [.13]		SCALE	NONE
CABLE LENGTH TOLERANCES:		SHEET	1 OF 1
>12 [305] = +1 [25] / -0 >12 [305] ≤ 60 [1524] = -2 [51] / -0 >60 [1524] ≤ 120 [3048] = +4 [102] / -0 >120 [3048] ≤ 300 [7620] = +6 [152] / -0 >300 [7620] = +5% / -0		Website: www.Pastermack.com Phone: 1.866.727.8376 1.949.261.1920	
DESCRIPTION SLIDE-ON BMA JACK RIGHT ANGLE 2 HOLE FLANGE TO SMA MALE CABLE USING RG142 COAX			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	DZINN	PE3W10756
REV			A