PASTERNACK
an INFINITE brand

Slide-On BMA Jack 2 Hole Flange to SMA Male Cable Using RG402 Coax

RF Cable Assemblies Technical Data Sheet PE3W09730

Configuration

- Connector 1: Slide-OnBMA Jack 2 Hole Flange
- Connector 2: SMA Male
- Cable Type: RG402

Features

- Max Frequency 18 GHz
- 69.5% Phase Velocity

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W09730 BMA jack slide-on 2 hole flange to SMA male cable using RG402 coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. This Pasternack BMA to SMA cable assembly has a jack to male gender configuration with 50 ohm semi-rigid RG402 coax. The PE3W09730 BMA jack to SMA male cable assembly operates to 18 GHz. 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.

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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	0.111	0.153	0.259	0.403	0.636	dB/ft
	0.36	0.5	0.85	1.32	2.09	dB/m

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 2 Hole Flange to SMA Male Cable Using RG402 Coax PE3W09730

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

PASTERNACK
an INFINITE brand

Slide-On BMA Jack 2 Hole Flange to SMA Male Cable Using RG402 Coax

RF Cable Assemblies Technical Data Sheet PE3W09730

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	0.051 lbs [23.13 g]

Cable

Cable Type	RG402
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor Material and Plating	Copper
Repeated Minimum Bend Radius	0.25 in [6.35 mm]

Connectors

Description	Connector 1	Connector 2
Type	BMA Jack 2 Hole Flange	SMA Male
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Connection Method	Slide-On	
Mating Cycles	1,000	
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	Stainless Steel, Gold
Body Plating Specification		10 µin minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum
Hex Size		5/16 inch
Torque		3 in-lbs [0.34 Nm]

Environmental Specifications

Temperature

Operating Range	-55 to +125 deg C

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 2 Hole Flange to SMA Male Cable Using RG402 Coax PE3W09730

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

PASTERNACK
an INFINITE brand

Slide-On BMA Jack 2 Hole Flange to SMA Male Cable Using RG402 Coax

RF Cable Assemblies Technical Data Sheet PE3W09730

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **PE3W09730 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3W09730 — Base Number

Example: PE3W09730-12 = 12 inches long cable
PE3W09730-100cm = 100 cm long cable

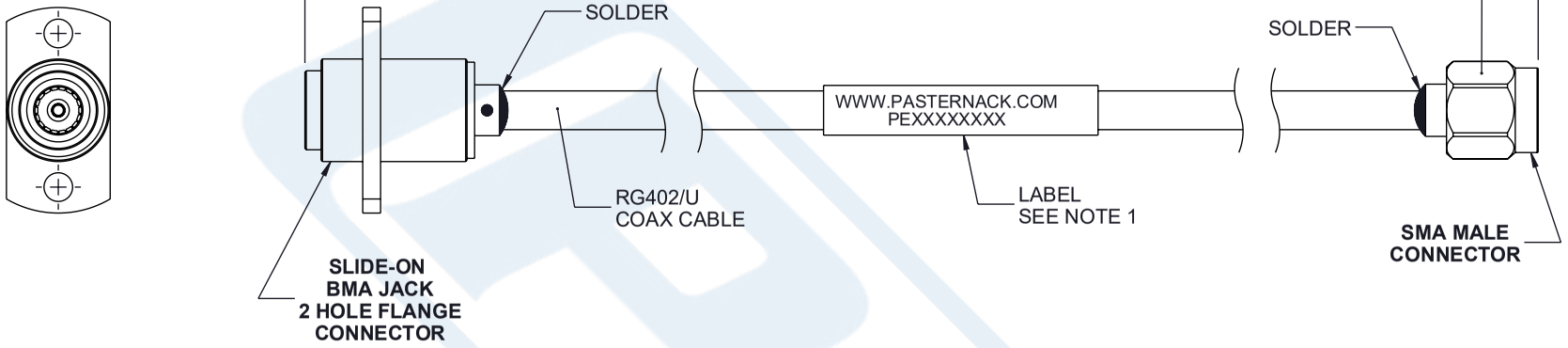
Slide-On BMA Jack 2 Hole Flange to SMA Male Cable Using RG402 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

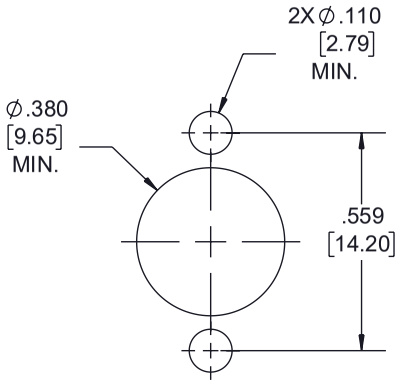
Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: Slide-On BMA Jack 2 Hole Flange to SMA Male Cable Using RG402 Coax PE3W09730

URL: https://www.pasternack.com/slide-on-bma-jack-2-hole-flange-to-sma-male-cable-using-rg402-pe3w09730-p.aspx

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

REVISION					
ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A	INITIAL RELEASE	01/27/2023	KDANG	AGANWANI





RECOMMENDED PATTERN MOUNTING HOLE

NOTES:

1. CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
2. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5] | FRACTIONS ± 1/32
.XX = ±.02 [.5] | ANGLES ± 1°
.XXX = ±.005 [.13]

CABLE LENGTH TOLERANCES:

>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

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

PASTERNACK® an INFINITE® brand

Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

DESCRIPTION: Slide-On BMA Jack 2 Hole Flange to SMA Male Cable Using RG402 Coax

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	KDANG	PE3W09730	A

T-Rev.D

PE3W09730 REV 1.0

PE3W09730 CAD Drawing
Slide-On BMA Jack 2 Hole Flange to SMA Male Cable Using RG402 Coax