

**SMA Male to SMA Female Bulkhead Cable  
 36 Inch Length Using RG402 Coax**

**RF Cable Assemblies Technical Data Sheet**
**PE3825-36**
**Configuration**

- Connector 1: SMA Male
- Connector 2: SMA Female Bulkhead
- Cable Type: RG402

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.4:1	
Capacitance		29.9 [98.1]		pF/ft [pF/m]
Dielectric Withstanding Voltage (AC)			1,000	Vrms

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Max.)	0.56	0.67	0.95	1.44	2.15	dB

**Mechanical Specifications**
**Cable Assembly**

Length	36 in [914.4 mm]
Diameter	0.433 in [11 mm]
Weight	0.118 lbs [53.52 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, Bare
Outer Conductor Diameter	0.141 in [3.58 mm]

 Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Female Bulkhead Cable 36 Inch Length Using RG402 Coax PE3825-36](#)

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**Connectors**

Description	Connector 1	Connector 2
Type	SMA Male	SMA Female Bulkhead
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	50 $\mu$ in. minimum	50 $\mu$ in. minimum
Dielectric Type	Teflon	Teflon
Outer Conductor Material and Plating		Stainless Steel, Gold
Outer Conductor Plating Specification		30 $\mu$ in. minimum
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 $\mu$ in. minimum	
Hex Size	5/16 in	
Torque	5 in-lbs [0.57 Nm]	
Body Material and Plating	Stainless Steel, Gold	Stainless Steel, Gold
Body Plating Specification	10 $\mu$ in. minimum	30 $\mu$ in. minimum

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

For RoHS Compliant version, use PE3825LF-36. Contact Pasternack if product cannot be found.

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

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## SMA Male to SMA Female Bulkhead Cable 36 Inch Length Using RG402 Coax

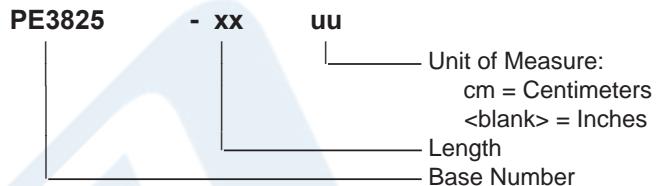


### RF Cable Assemblies Technical Data Sheet

PE3825-36

#### How to Order

Part Number Configuration:



Example: PE3825-12 = 12 inches long cable  
PE3825-100cm = 100 cm long cable

SMA Male to SMA Female Bulkhead Cable 36 Inch Length 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% availability and are part of the broadest selection in the industry.

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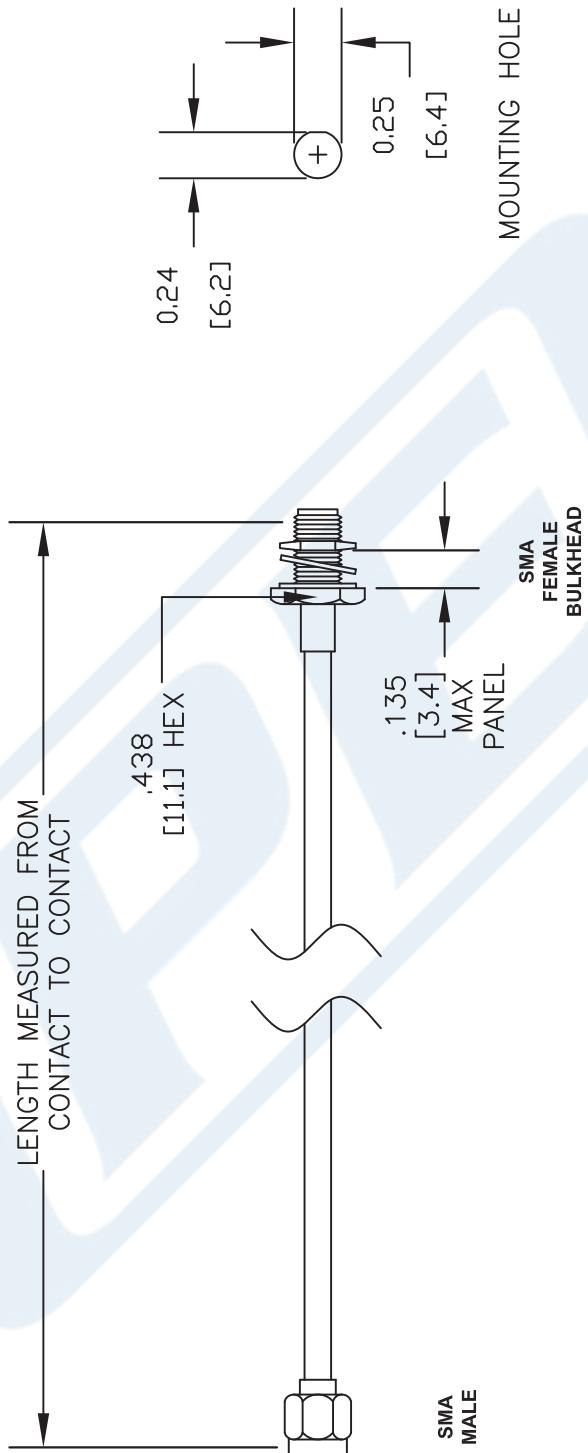
URL: <http://www.pasternack.com/sma-male-sma-female-rg402u-cable-assembly-pe3825-36-p.aspx>

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.

PE3825-36 CAD Drawing

## SMA Male to SMA Female Bulkhead Cable 36 Inch Length Using RG402 Coax

Standard Lengths		Custom Length in Inches
-12	12"	
-24	24"	
-36	36"	
-48	48"	
-60	60"	
		-XXX



**PASTERNAK®**

Pasternack Enterprises Inc

P.O. Box 16759 | Irvine | CA | 92623  
PastelHack Enterprises, Inc.

**Phone:** (949) 261-1920 | **Fax:** (949) 261-7451  
**Website:** [www.pasteinack.com](http://www.pasteinack.com) | **E-Mail:** [sales@pasteinack.com](mailto:sales@pasteinack.com)  
P.O. Box 10133 | Irvine, CA 92623

DWG TITLE  
**PE3825**

DWG TITLE

NOTES:  
1. UNL  
2. ALL  
3. DIME  
4. LEN

REV. A	FSCM NO.	53919	CAD FILE	020508	SCALE	N/A	SIZE	A	127
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