

SMA Female Bulkhead to SMB Plug
Right Angle Cable Using RG58 Coax



RF Cable Assemblies Technical Data Sheet

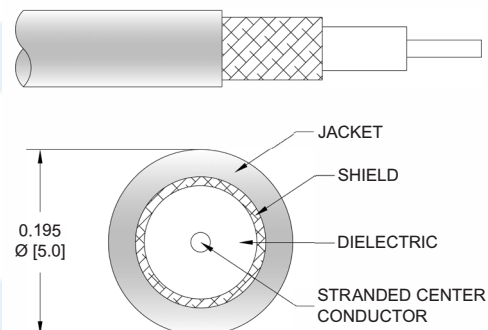
PE3C6713

Configuration

- Connector 1: SMA Female Bulkhead
- Connector 2: SMB Plug Right Angle
- Cable Type: RG58

Features

- Max Frequency 4 GHz
- 65.9% Phase Velocity
- PVC (NC) Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C6713 SMA female bulkhead to SMB plug right angle cable using RG58 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 SMA to SMB cable assembly has a female to plug gender configuration with 50 ohm flexible RG58 coax. The PE3C6713 SMA female to SMB plug cable assembly operates to 4 GHz. The right angle SMB interface on the RG58 cable allows for easier connections in tight spaces. Our RF cable assembly with SMA 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: [SMA Female Bulkhead to SMB Plug Right Angle Cable Using RG58 Coax PE3C6713](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
Velocity of Propagation		65.9		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	4	GHz
Insertion Loss (Typ.)	0.049	0.074	0.116	0.2	0.5	dB/ft
	0.16	0.24	0.38	0.66	1.64	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the female connector and 0.2 for the plug connector.

Mechanical Specifications

Cable Assembly

Weight 0.054 lbs [24.49 g]

Cable

Cable Type RG58
Impedance 50 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper, Tin
Dielectric Type PE
Number of Shields 1
Shield Layer 1 Tinned Copper Braid
Jacket Material PVC (NC), Black
Jacket Diameter 0.195 in [4.95 mm]

One Time Minimum Bend Radius 0.98 in [24.89 mm]
Repeated Minimum Bend Radius 1.96 in [49.78 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Female Bulkhead	SMB Plug Right Angle
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	50 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum

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

Plotted and Other Data

Notes:

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RF Cable Assemblies Technical Data Sheet

PE3C6713

How to Order

Part Number Configuration:

PE3C6713

- **xx**

uu

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

Example: PE3C6713-12 = 12 inches long cable
PE3C6713-100cm = 100 cm long cable

SMA Female Bulkhead to SMB Plug Right Angle Cable Using RG58 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.

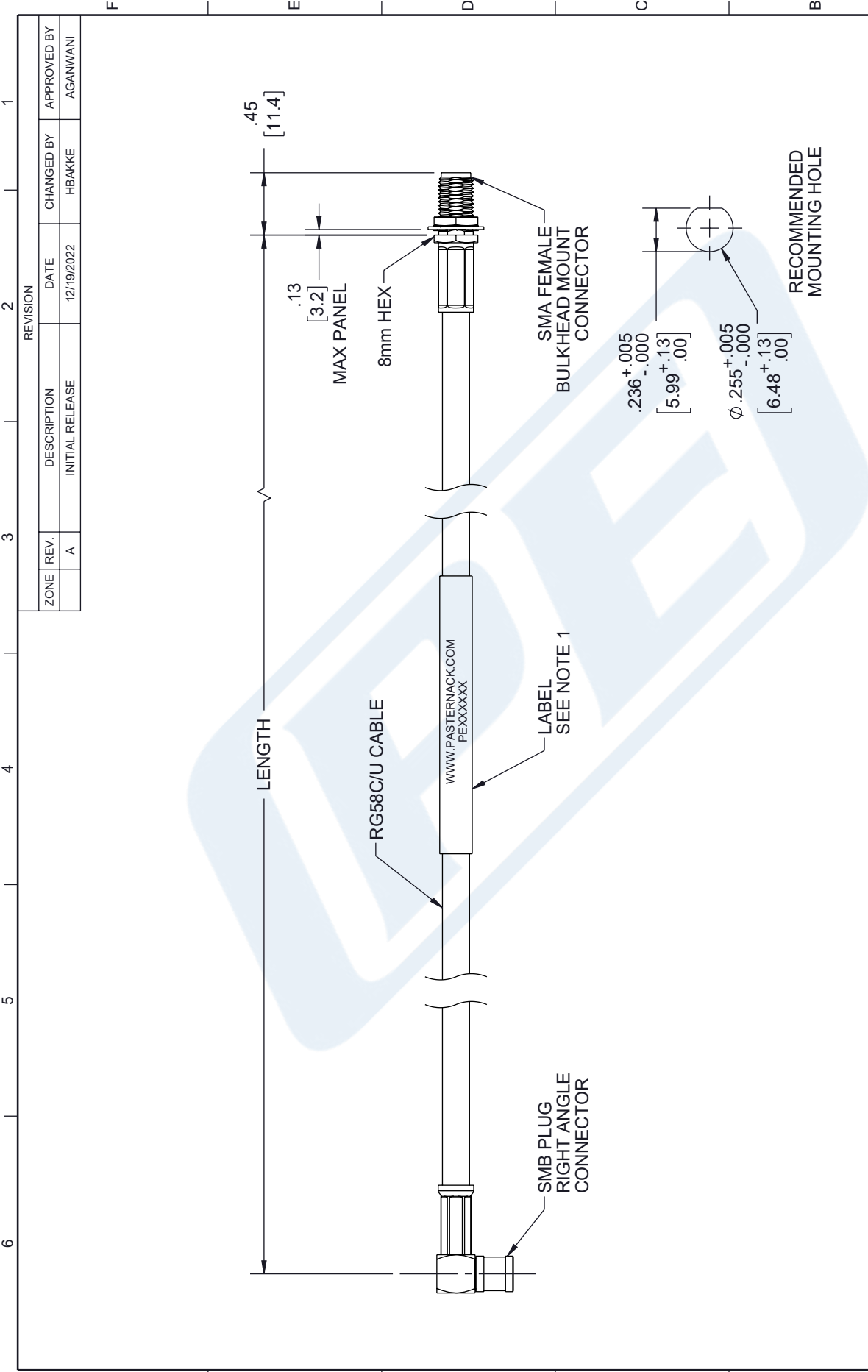
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URL: <https://www.pasternack.com/sma-female-bulkhead-to-smb-plug-cable-using-rg58-pe3c6713-p.aspx>

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.

PE3C6713 CAD Drawing

SMA Female Bulkhead to SMB Plug Right Angle Cable Using RG58 Coax



NOTES:

1. 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.

2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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

TOLERANCES:

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

CABLE LENGTH TOLERANCES:

>12 [305]	±.125 / -0
>12 [305] ≤ 60 [1524]	±.125 / -0
>60 [1524] ≤ 120 [3048]	±.125 / -0
>120 [3048] ≤ 300 [7620]	±.125 / -0
>300 [7620]	±.125 / -0

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

PE PASTERNAK
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: NONE

SHEET: 1 OF 1

DESCRIPTION
SMA Female Bulkhead to SMB Plug Right Angle Cable Using RG58 Coax

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	HBAKKE	PE3C6713	A