PASTERNACK
an INFINITⓔ brand

TNC Female Bulkhead to SSMC Plug Right Angle Cable 24 Inch Length Using RG188 Coax

RF Cable Assemblies Technical Data Sheet   PE3W05752-24

Configuration
- Connector 1: TNC Female Bulkhead
- Connector 2: SSMC Plug Right Angle
- Cable Type: RG188

Features
- Max Frequency 400 MHz
- PTFE Jacket

Applications
- General Purpose
- Laboratory Use

Description

Pasternack's PE3W05752-24 TNC female bulkhead to SSMC plug right angle 24 inch cable using RG188 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 TNC to SSMC cable assembly has a female to plug gender configuration with 50 ohm flexible RG188 coax. The PE3W05752-24 TNC female to SSMC plug cable assembly operates to 400 MHz. The right angle SSMC interface on the RG188 cable allows for easier connections in tight spaces. Our RF cable assembly with TNC 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		400	MHz
VSWR			1.5:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	400					MHz
Insertion Loss (Max.)	0.9					dB

Electrical Specification Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: TNC Female Bulkhead to SSMC Plug Right Angle Cable 24 Inch Length Using RG188 Coax PE3W05752-24

TNC Female Bulkhead to SSMC Plug Right Angle Cable 24 Inch Length Using RG188 Coax

RF Cable Assemblies Technical Data Sheet   PE3W05752-24

The Insertion Loss data above is based on the performance specifications of the coax use in this assembly. The Insertion Loss includes an estimated insertion loss of 0.3dB of connector Loss

Mechanical Specifications

Cable Assembly

Length*	24 in [609.6 mm]
Diameter	0.75 in [19.05 mm]

Cable

Cable Type	RG188
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	PTFE, White
Jacket Diameter	0.11 in [2.79 mm]

Connectors

Description	Connector 1	Connector 2
Type	TNC Female Bulkhead	SSMC Plug Right Angle
Specification	MIL-STD-348	
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	30 µin minimum	MIL-G-45204
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Brass, Gold
Body Plating Specification		MIL-G-45204
Coupling Nut Material and Plating		Beryllium Copper, Gold
Coupling Nut Plating Specification		MIL-G-45204
Torque		1.75 in-lbs [0.2 Nm]

Mechanical Specification Notes:
*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: TNC Female Bulkhead to SSMC Plug Right Angle Cable 24 Inch Length Using RG188 Coax PE3W05752-24

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

© 2019 Pasternack Enterprises All Rights Reserved   PE3W05752-24 REV 1.0   2

RF Cable Assemblies Technical Data Sheet   PE3W05752-24

Compliance Certifications (see product page for current document)

Plotted and Other Data
Notes:

How to Order

Part Number Configuration: **PE3W05752   - xx   uu**

Unit of Measure:
- cm = Centimeters
- <blank> = Inches

Length

Base Number

Example: PE3W05752-12 = 12 inches long cable
PE3W05752-100cm = 100 cm long cable

TNC Female Bulkhead to SSMC Plug Right Angle Cable 24 Inch Length Using RG188 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: TNC Female Bulkhead to SSMC Plug Right Angle Cable 24 Inch Length Using RG188 Coax PE3W05752-24
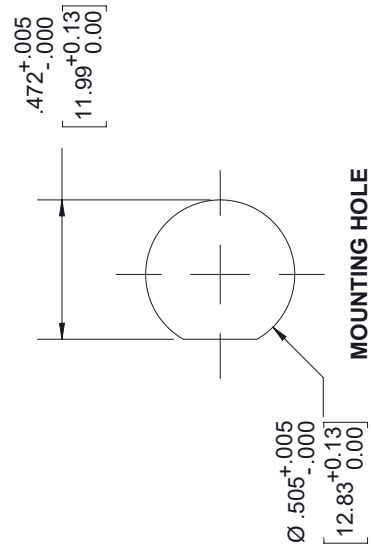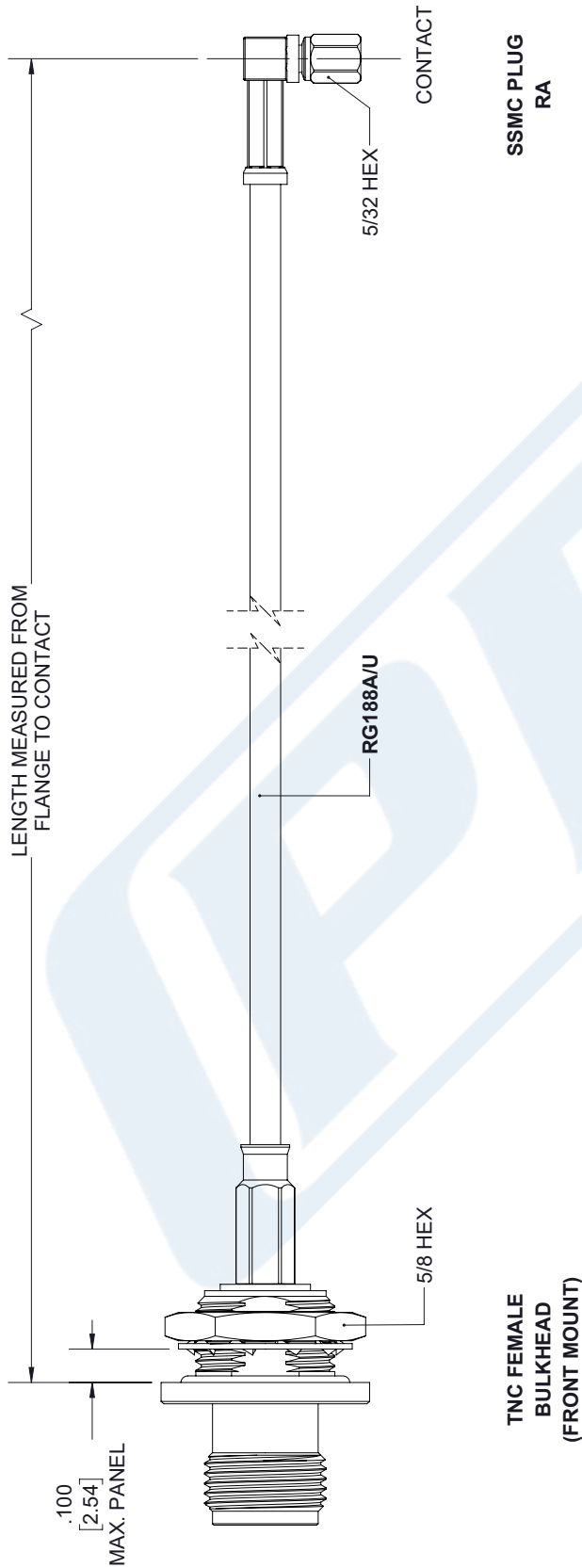
URL: https://www.pasternack.com/tnc-female-ssmc-plug-rg188au-cable-assembly-pe3w05752-24-p.aspx

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.

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

© 2019 Pasternack Enterprises All Rights Reserved   PE3W05752-24 REV 1.0   3

PE3W05752-24 CAD Drawing
TNC Female Bulkhead to SSMC Plug Right Angle
Cable 24 Inch Length Using RG188 Coax

CONTACT

SSMC PLUG
RA

5/32 HEX

LENGTH MEASURED FROM
FLANGE TO CONTACT

RG188A/U

5/8 HEX

TNC FEMALE
BULKHEAD
(FRONT MOUNT)

.100
[2.54]
MAX. PANEL

.472 +.005 −.000
[11.99 +0.13 0.00]

MOUNTING HOLE

Ø .505 +.005 −.000
[12.83 +0.13 0.00]

PART NUMBER
PE3W05752

DRAWN BY
K.DANG

CAGE
53919

SIZE
A

SHEET 1 OF 1

SCALE N/A

REV A

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

TOLERANCES:
.X=± .2 [5.08]   FRACTIONS
.XX=± .01 [.25]   ± 1/32
.XXX=± .005 [.13] ANGLES ± 1°

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	05/10/19	S.ELLIS

T-Rev.B

PE3W05752-24 REV 1.0

4