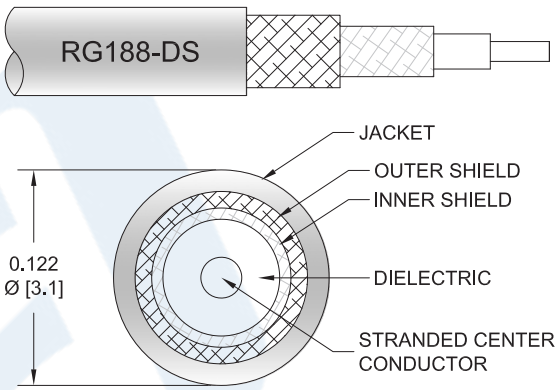
PASTERNACK
an INFINITE brand

SSMB Plug to SSMB Plug Cable Using RG188-DS Coax

RF Cable Assemblies Technical Data Sheet PE3W06017

Configuration

- Connector 1: SSMB Plug
- Connector 2: SSMB Plug
- Cable Type: RG188-DS



Features

- Max Frequency 6 GHz
- Double Shielded
- PTFE Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W06017 SSMB plug to SSMB plug cable using RG188-DS 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 SSMB to SSMB cable assembly has a plug to plug gender configuration with 50 ohm flexible RG188-DS coax. The PE3W06017 SSMB plug to SSMB plug cable assembly operates to 6 GHz. 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.5:1	
Capacitance		32 [104.99]		pF/ft [pF/m]
Dielectric Withstanding Voltage (AC)			500	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SSMB Plug to SSMB Plug Cable Using RG188-DS Coax PE3W06017

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

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	4	6	GHz
Insertion Loss (Max.)	0.16	0.3	0.35	0.59	0.84	dB/ft
	0.52	0.98	1.15	1.94	2.76	dB/m

Electrical Specification Notes:
Insertion Loss does not include the loss of connectors. Insertion Loss is estimated as 0.2dB of connector loss

Mechanical Specifications

Cable Assembly

Diameter	0.184 in [4.67 mm]

Cable

Cable Type	RG188-DS
Impedance	50 Ohms
Inner Conductor Type	Stranded
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	PTFE, White
Jacket Diameter	0.118 in [3 mm]

Connectors

Description	Connector 1	Connector 2
Type	SSMB Plug	SSMB Plug
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	30µ in. minimum	30µ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Body Plating Specification	30µ in. minimum	30µ in. minimum

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

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Environmental Specifications

Temperature

Operating Range	-55 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **PE3W06017 - xx uu**

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE3W06017 — Base Number

Example: PE3W06017-12 = 12 inches long cable
PE3W06017-100cm = 100 cm long cable

SSMB Plug to SSMB Plug Cable Using RG188-DS 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: SSMB Plug to SSMB Plug Cable Using RG188-DS Coax PE3W06017

URL: https://www.pasternack.com/ssmb-plug-ssmb-plug-rg188-ds-cable-assembly-pe3w06017-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.

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PE3W06017 CAD Drawing

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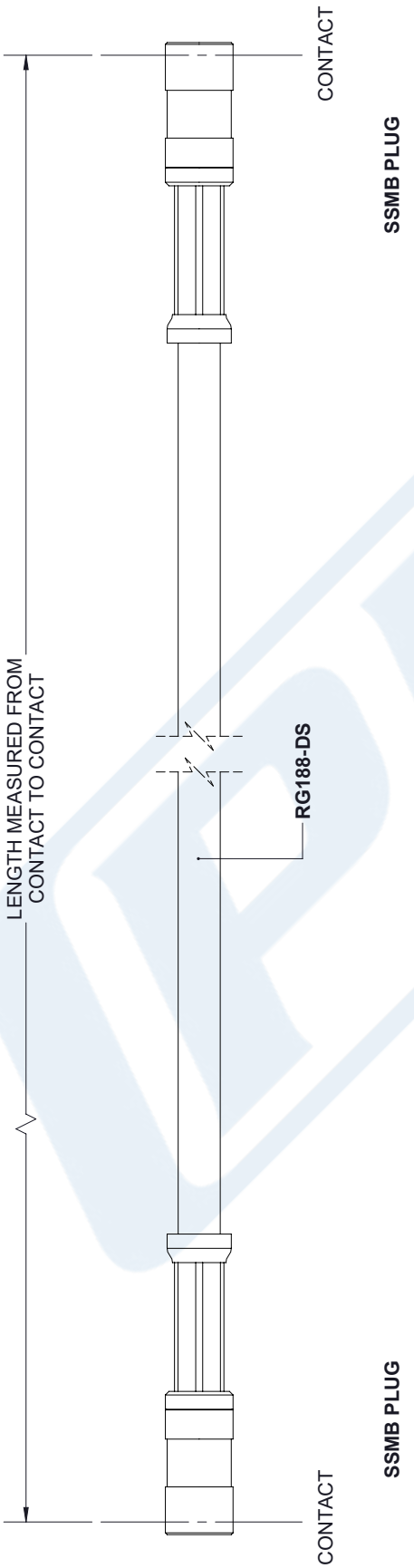
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/23/19	S.ELLIS



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

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SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	53919	K.DANG	PE3W06017	A

SHEET 1 OF 1

SCALE N/A

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