SSMB Plug to SSMB Plug Cable Using RG188-DS Coax with HeatShrink
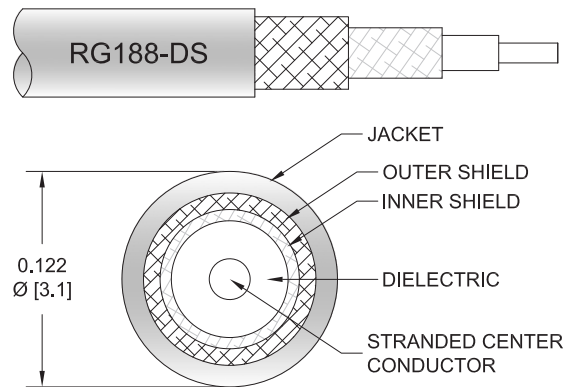
PE3W06017/HS

Configuration
- Connector 1: SSMB Plug
- Connector 2: SSMB Plug
- Cable Type: RG188-DS
- Coax Flex Type: Flexible

Features
- Max Frequency 6 GHz
- Double Shielded
- PTFE Jacket

RG188-DS

JACKET
OUTER SHIELD
INNER SHIELD

0.122
Ø [3.1]

DIELECTRIC

STRANDED CENTER CONDUCTOR

Applications
- General Purpose
- Laboratory Use

Description

Pasternack's PE3W06017/HS 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/HS 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			1.4:1	
Capacitance		32 [104.99]		pF/ft [pF/m]
Dielectric Withstanding Voltage (AC)			500	Vrms

Specifications by Frequency

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SSMB Plug to SSMB Plug Cable Using RG188-DS Coax with HeatShrink

PE3W06017/HS

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	250	500	1000	2500	6000	MHz	
PE3W06017/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.146	0.197	0.3	0.368	0.898	dB/ft	
			0.48	0.65	0.99	1.21	2.95	dB/m	
PE3W06017/HS-12	12 inch	Insertion Loss (Typ.)	0.35	0.4	0.5	0.57	1.1	dB	0.035
PE3W06017/HS-24	24 inch	Insertion Loss (Typ.)	0.5	0.6	0.8	0.94	2	dB	0.05
PE3W06017/HS-36	36 inch	Insertion Loss (Typ.)	0.64	0.8	1.1	1.31	2.9	dB	0.065
PE3W06017/HS-48	48 inch	Insertion Loss (Typ.)	0.79	0.99	1.4	1.68	3.8	dB	0.08
PE3W06017/HS-60	60 inch	Insertion Loss (Typ.)	0.93	1.19	1.7	2.04	4.69	dB	0.095

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.1	dB
Loss due to Connector 2:	0.1	dB
Base Weight:	0.035	pounds
Additional Weight per Inch:	0.00125	pounds

Mechanical Specifications

Cable Assembly
Weight   0.035 lbs [15.88 g]

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
Configuration	Straight	Straight
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

SSMB Plug to SSMB Plug Cable Using RG188-DS Coax with HeatShrink

PE3W06017/HS

Environmental Specifications

Operating Range Temperature   -55 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data

How to Order

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

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

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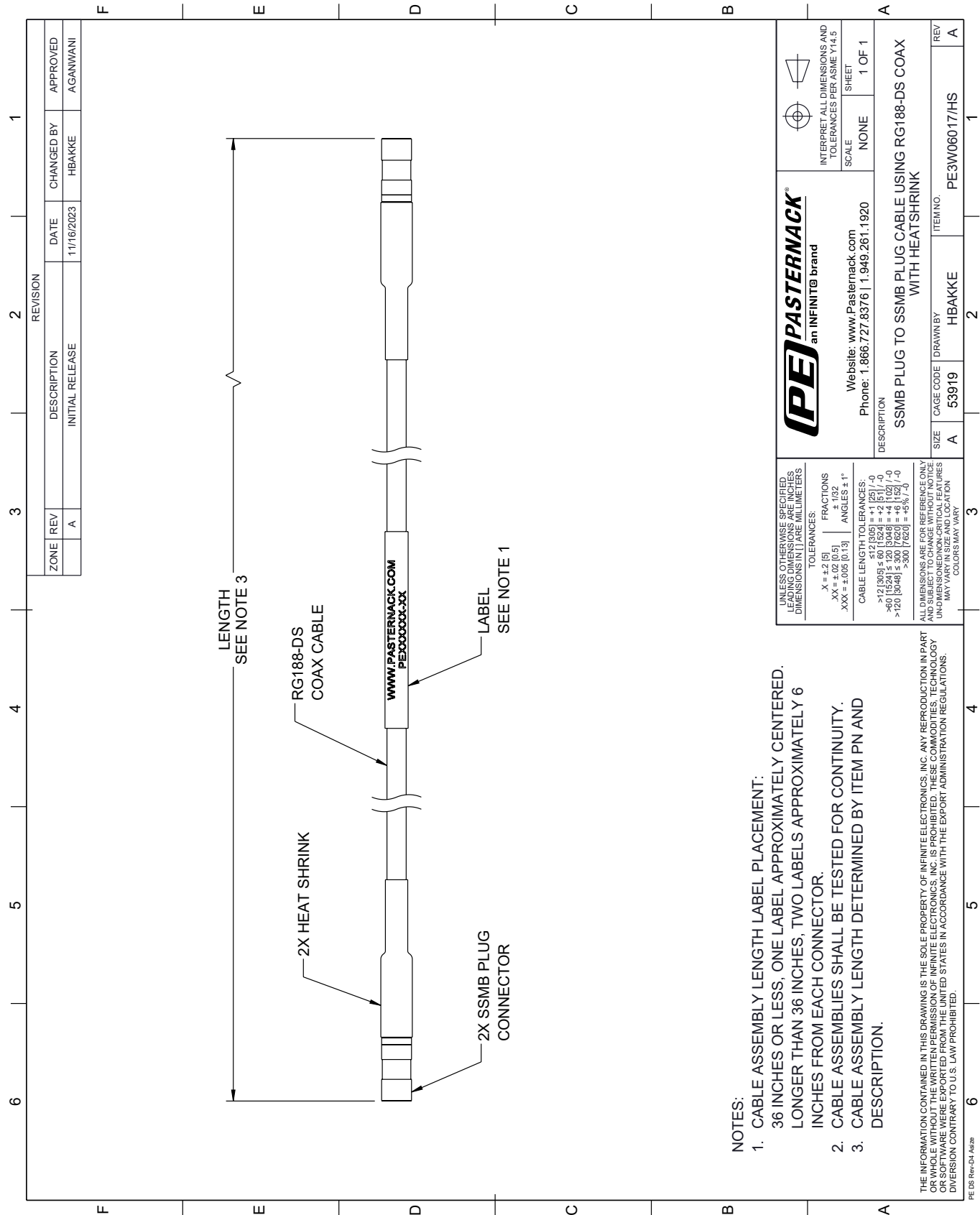PE3W06017/HS-100cm = 100 cm long cable

SSMB Plug to SSMB Plug Cable Using RG188-DS Coax with HeatShrink 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 with HeatShrink PE3W06017/HS

URL: https://www.pasternack.com/ssmb-plug-to-ssmb-plug-cable-using-rg188-ds-with-heatshrink-pe3w06017-hs-p.aspx

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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.
3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	11/16/2023	HBAKKE	AGANWANI

REVISION

LENGTH
SEE NOTE 3

RG188-DS COAX CABLE

WWW.PASTERNACK.COM
PEXXXXX-XX

LABEL
SEE NOTE 1

2X HEAT SHRINK

2X SSMB PLUG CONNECTOR

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

TOLERANCES:
.X = ±.2 [5]   FRACTIONS:
.XX = ±.02 [0.5]   ± 1/32
.XXX = ±.005 [0.13]   ANGLES ± 1°

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. UN-DIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

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an INFINITE brand

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

DESCRIPTION
SSMB PLUG TO SSMB PLUG CABLE USING RG188-DS COAX WITH HEATSHRINK

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	HBAKKE	PE3W06017/HS	A

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