



SSMC Jack Bulkhead to SSMC Jack Bulkhead Cable Using RG316-DS Coax

RF Cable Assemblies Technical Data Sheet

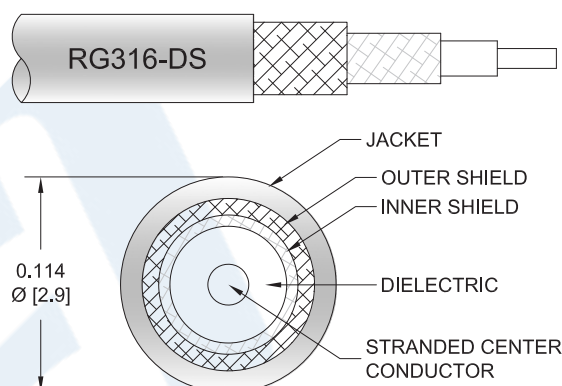
PE3W07761

Configuration

- Connector 1: SSMC Jack Bulkhead
- Connector 2: SSMC Jack Bulkhead
- Cable Type: RG316-DS

Features

- Max Frequency 3 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket
- 500 Mating Cycles



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W07761 SSMC jack bulkhead to SSMC jack bulkhead cable using RG316-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 SSMC to SSMC cable assembly has a jack to jack gender configuration with 50 ohm flexible RG316-DS coax. The PE3W07761 SSMC jack to SSMC jack cable assembly operates to 3 GHz. Our RF cable assembly with SSMC 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. 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMC Jack Bulkhead to SSMC Jack Bulkhead Cable Using RG316-DS Coax PE3W07761](#)



SSMC Jack Bulkhead to SSMC Jack Bulkhead
Cable Using RG316-DS Coax

RF Cable Assemblies Technical Data Sheet

PE3W07761

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Operating Voltage (AC)			250	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.082	0.12	0.19	0.29	0.53	dB/ft
	0.27	0.39	0.62	0.95	1.74	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Weight 0.029 lbs [13.15 g]

Cable

Cable Type RG316-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 FEP, Tan
 Jacket Diameter 0.114 in [2.9 mm]
 Repeated Minimum Bend Radius 0.6 in [15.24 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMC Jack Bulkhead to SSMC Jack Bulkhead Cable Using RG316-DS Coax PE3W07761](#)



SSMC Jack Bulkhead to SSMC Jack Bulkhead Cable Using RG316-DS Coax

RF Cable Assemblies Technical Data Sheet

PE3W07761

Connectors

Description	Connector 1	Connector 2
Type	SSMC Jack Bulkhead	SSMC Jack Bulkhead
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	500
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	MIL-G-45204	MIL-G-45204
Dielectric Type	Teflon	Teflon
Outer Conductor Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Outer Conductor Plating Specification	MIL-G-45204	MIL-G-45204
Body Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Body Plating Specification	MIL-G-45204	MIL-G-45204
Torque	1.75 in-lbs [0.2 Nm]	1.75 in-lbs [0.2 Nm]

Environmental Specifications

Temperature

Operating Range -55 to +165 deg C

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMC Jack Bulkhead to SSMC Jack Bulkhead Cable Using RG316-DS Coax PE3W07761](#)



SSMC Jack Bulkhead to SSMC Jack Bulkhead Cable Using RG316-DS Coax

RF Cable Assemblies Technical Data Sheet

PE3W07761

How to Order

Part Number Configuration:

PE3W07761

- **xx**

uu

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

Example: PE3W07761-12 = 12 inches long cable
PE3W07761-100cm = 100 cm long cable

SSMC Jack Bulkhead to SSMC Jack Bulkhead Cable Using RG316-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.

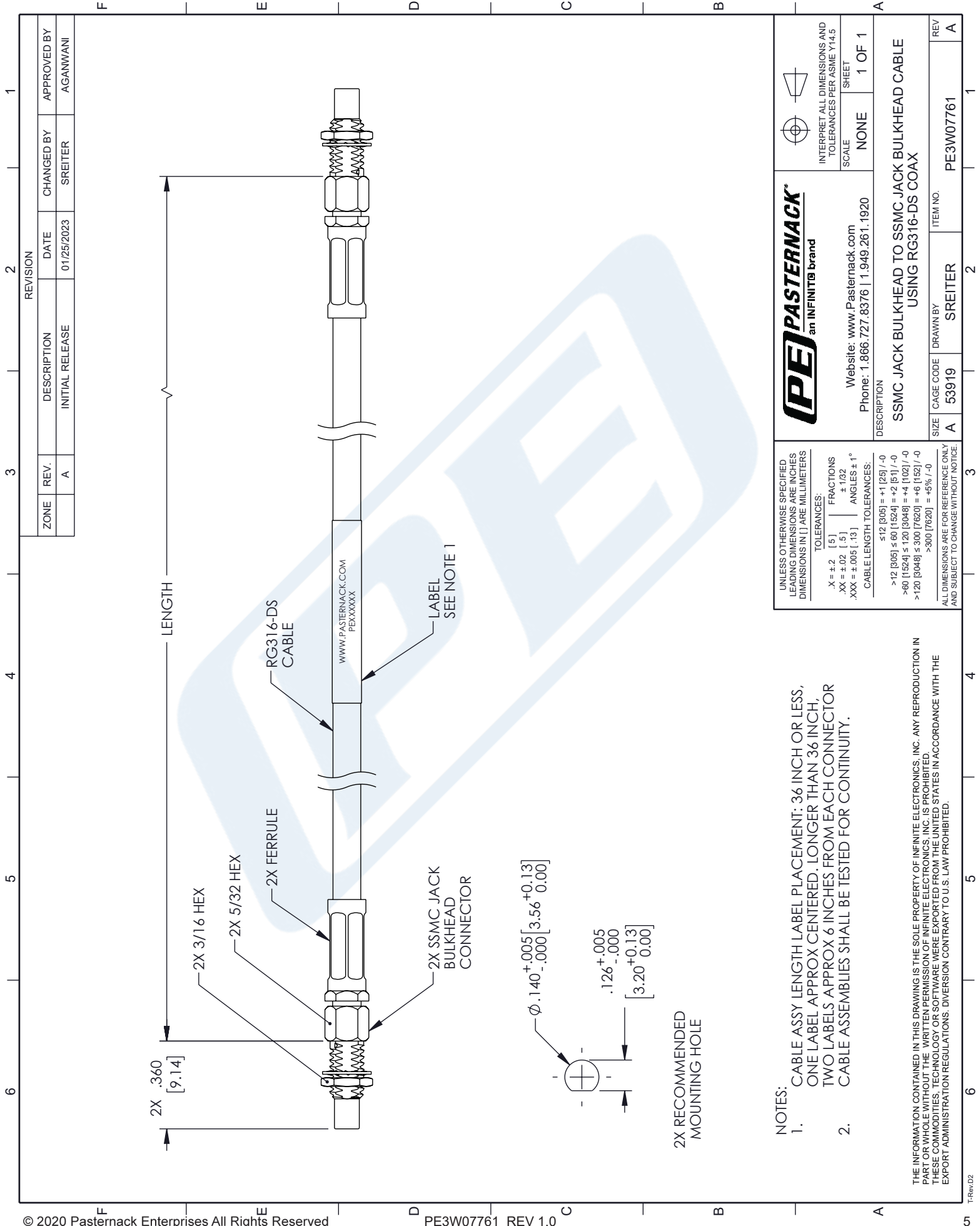
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMC Jack Bulkhead to SSMC Jack Bulkhead Cable Using RG316-DS Coax PE3W07761](https://www.pasternack.com/ssmc-jack-bulkhead-to-ssmc-jack-bulkhead-cable-using-rg316-ds-pe3w07761-p.aspx)

URL: <https://www.pasternack.com/ssmc-jack-bulkhead-to-ssmc-jack-bulkhead-cable-using-rg316-ds-pe3w07761-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.

PE3W07761 CAD Drawing

SSMC Jack Bulkhead to SSMC Jack Bulkhead Cable Using RG316-DS Coax

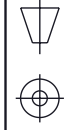


Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION

SSMC JACK BULKHEAD TO SSMC JACK BULKHEAD CABLE
USING RG316-DS COAX

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	SREITER	PE3W07761	A



INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5
SCALE NONE
SHEET 1 OF 1