

SMA Female to SSMC Plug Cable 6 Inch Length Using RG316-DS Coax



RF Cable Assemblies Technical Data Sheet

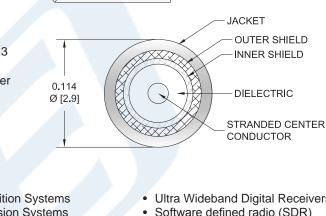
PE3C4439-6

Configuration

- Connector 1: SMA Female
- Connector 2: SSMC Plug
- Cable Type: RG316-DS

Features

- SSMC Cable Assembly Max. Operating Frequency of 3 GHz
- Small SSMC cable connection form factor (50% smaller than SMA, radially)
- · Reliable threaded coupling
- · In stock and ready to ship



RG316-DS

Applications

- SSMC Cable General Purpose Test
- Data Acquisition Systems
- A/D Conversion Systems
- Ultra Wideband Digital Receivers
- Software defined radio (SDR)

Description

Pasternack's SSMC cable assemblies are part of our full line of RF components available for same-day shipping. These SSMC cable assemblies are designed to connect SSMC system components and test connections, delivering signal frequencies as high as 12.4 GHz. Our family of SSMC cables can also be used to connect SSMC ports on data acquisition systems, A/D modules or SSMC coax patch panels. If none of our standard options fit your application, you can specify your own custom SSMC cable assembly using Pasternack's online Cable Creator.

Our SSMC cable assembly datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave cable assemblies allow designers to configure and customize their signal connections however they like. Whether the need is to provide SSMC cabling for a data acquisition system, or simply create a custom cable assembly configuration, Pasternack has the right cable assemblies for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same day.

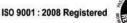
Electrical Specifications

Description	Minimum	Typical	Maximum	Units
/ Range	DC		3	GHz
			1.5:1	
Propagation		70		%
се		29.4 [96.46]		pF/ft [pF/m]
ce		29.4 [90.40]		рглі ц

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Female to SSMC Plug Cable 6 Inch Length Using RG316-DS Coax PE3C4439-6

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 0.4 1 3 GHz Frequency 0.1 0.24 0.29 0.34 0.44 dB Insertion Loss (Typ.) **Mechanical Specifications Cable Assembly** Length* 6 in [152.4 mm] 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 Shield Layer 1 Silver Plated Copper Braid Shield Laver 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] Connectors Description **Connector 1 Connector 2** SMA Female SSMC Plug Type 50 Ohms Impedance 50 Ohms Mating Cycles 500 Contact Material and Plating Beryllium Copper, Gold Contact Plating Specification MIL-G-45204 Dielectric Type Teflon Body Material and Plating Brass, Nickel Beryllium Copper, Gold Body Plating Specification MIL-G-45204 Coupling Nut Material and Plating Beryllium Copper, Gold **Coupling Nut Plating Specification** MIL-G-45207 Torque 1.75 in-lbs [0.2 Nm]

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PE3C4439-6 REV 1.0

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ISO 9001

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RF Cable Assemblies Technical Data Sheet PE3C4439-6 Mechanical Specification Notes: *All cable assemblies have a length tolerance of 1.5% or \pm 3/8", whichever is greater. Compliance Certifications (see product page for current document) **Plotted and Other Data** Notes: How to Order PE3C4439 Part Number Configuration: XX uu Unit of Measure: cm = Centimeters <blank> = Inches Lenath **Base Number** PE3C4439-12 = 12 inches long cable Example: PE3C4439-100cm = 100 cm long cable

SMA Female to SSMC Plug Cable 6 Inch Length 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.

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URL: https://www.pasternack.com/sma-female-ssmc-plug-rg316-ds-cable-assembly-pe3c4439-6-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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PE3C4439-6 CAD Drawing SMA Female to SSMC Plug Cable 6 Inch Length Using RG316-DS Coax

