



50 Ohm SMA Male to 75 Ohm F Female Bulkhead Cable Using 75 Ohm RG59 Coax

RF Cable Assemblies Technical Data Sheet

PE3C6797

Configuration

- Connector 1: SMA Male
- Connector 2: F Female Bulkhead
- Cable Type: RG59

Features

- 66% Phase Velocity
- PVC (NC) Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C6797 50 ohm SMA male to 75 ohm type F female bulkhead cable using 75 ohm RG59 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 SMA to type F cable assembly has a male to female gender configuration with 75 ohm flexible RG59 coax. Our RF cable assembly with type F 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
Velocity of Propagation		66		%
Capacitance		20.4 [66.93]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Weight 0.066 lbs [29.94 g]

Cable

Cable Type RG59
Impedance 75 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper Clad Steel
Dielectric Type PE

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm SMA Male to 75 Ohm F Female Bulkhead Cable Using 75 Ohm RG59 Coax PE3C6797](#)



50 Ohm SMA Male to 75 Ohm F Female Bulkhead
Cable Using 75 Ohm RG59 Coax

RF Cable Assemblies Technical Data Sheet

PE3C6797

Number of Shields	1
Shield Layer 1	Copper Braid
Jacket Material	PVC (NC), Black
Jacket Diameter	0.242 in [6.15 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	F Female Bulkhead
Specification	MIL-STD-348	
Impedance	50 Ohms	75 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	MIL-G-45204	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	QQ-N-290	
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	QQ-N-290	
Hex Size	16-May inch	in
Torque	3 in-lbs [0.34 Nm]	

Environmental Specifications

Temperature

Operating Range	-40 to +85 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: [50 Ohm SMA Male to 75 Ohm F Female Bulkhead Cable Using 75 Ohm RG59 Coax PE3C6797](#)



50 Ohm SMA Male to 75 Ohm F Female Bulkhead Cable Using 75 Ohm RG59 Coax

RF Cable Assemblies Technical Data Sheet

PE3C6797

How to Order

Part Number Configuration:

PE3C6797

- **xx**

uu

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

Example: PE3C6797-12 = 12 inches long cable
PE3C6797-100cm = 100 cm long cable

50 Ohm SMA Male to 75 Ohm F Female Bulkhead Cable Using 75 Ohm RG59 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: [50 Ohm SMA Male to 75 Ohm F Female Bulkhead Cable Using 75 Ohm RG59 Coax PE3C6797](https://www.pasternack.com/50-ohm-sma-male-to-75-ohm-f-female-bulkhead-cable-using-rg59-pe3c6797-p.aspx)

URL: <https://www.pasternack.com/50-ohm-sma-male-to-75-ohm-f-female-bulkhead-cable-using-rg59-pe3c6797-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.

PE3C6797 CAD Drawing

50 Ohm SMA Male to 75 Ohm F Female Bulkhead Cable Using 75 Ohm RG59 Coax

