



SMA Male to SMA Male Precision Cable Using 165 Series Coax, RoHS

TECHNICAL DATA SHEET

PE3790

SMA Male to SMA Male Precision Cable Using 165 Series Coax, RoHS

Configuration

Connector 1	SMA Male
Connector 2	SMA Male
Cable Type	165 Series

Electrical Specifications

Frequency Range, GHz	DC to 26
Impedance, Ohms	50
Maximum VSWR	1.4:1
Velocity of Propagation, %	69.5
RF Shielding, dB	90
Maximum Operating Voltage, Vrms	1,900

Electrical Specification Notes:

Short lengths up to 24" long may exhibit VSWR measurements up to 9% higher.

Mechanical Specifications

Cable Assembly

Cable Type	165 Series
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Temperature

Temperature Operating Range, deg C	-50 to +205
One Time Minimum Bend Radius, in [mm]	1 [25.4]

Cable

Center Conductor Type	Solid
Cable Inner Conductor	Beryllium Copper, Silver
No of Shields	3
Dielectric Type	PTFE
Jacket Material	FEP
Jacket Diameter, in [mm]	0.165 [4.19]

Connector 1

Type	SMA Male
Configuration	Straight
Inner Conductor Material and Plating	Beryllium Copper, Silver
Coupling Nut Material and Plating	Passivated Stainless Steel
Hex Size, in.	5/16
Torque, in-lbs [Nm]	8 [0.9]
Body Material and Plating	Passivated Stainless Steel
Dielectric Type	PTFE

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Precision Cable Using 165 Series Coax, RoHS PE3790](#)

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.



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Connector 2

Type	SMA Male
Configuration	Straight
Inner Conductor Material and Plating	Beryllium Copper, Silver
Coupling Nut Material and Plating	Passivated Stainless Steel
Hex Size, in.	5/16
Torque, in-lbs [Nm]	8 [0.9]
Body Material and Plating	Passivated Stainless Steel
Dielectric Type	PTFE

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
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Plotted and Other Data

Notes:	Values at 25 °C, sea level
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SMA Male to SMA Male Precision Cable Using 165 Series Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

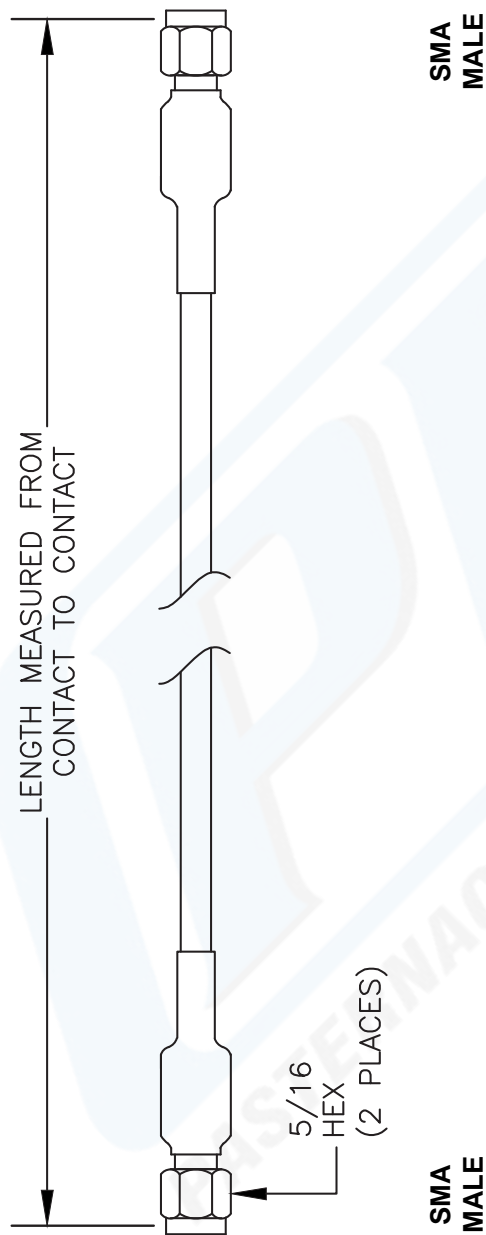
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URL: <http://www.pasternack.com/sma-male-sma-male-165-non-magnetic-series-cable-assembly-pe3790-p.aspx>

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PE3790 CAD Drawing

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Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

Website: www.pasternack.com | E-Mail: sales@pasternack.com

DES. 26.5 GHZ FLEXIBLE CABLE ASSEMBLY,
PE-LL165P, SMA MALE TO SMA MALE (NONE
MAGNETIC)

DWG TITLE

PE3790

REV. A	FSCM NO. 53919	CAD FILE 052312	SCALE N/A	SIZE A	2233
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NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm]
4. LENGTH TOLERANCE IS ± 1.5% OR 3/8", WHICHEVER IS GREATER.

How To Order		Part # Ext.	Length In Inches
Part Number Configuration PE3 [zzz] [yy] - [xx] [uu] 00 - 99999 LF = Lead Free < Blank > = Standard Note: LF applies only to RF cables		Examples	Length In Centimeters
		PE3000LF-100	25Cm
		PE3000-100	50Cm
		PE3000LF-100CM	75Cm
		PE3000-100CM	100Cm
		-25CM	125Cm
		-50CM	Custom Length
		-75CM	
		-100CM	
		-125CM	
		-xxCM	
Components			
SMA MALE			
SMA MALE			
PE-LL165P			