



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
------------	------------

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.



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

TECHNICAL DATA SHEET

PE3790

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
----------------	-----

Plotted and Other Data

Notes:	Values at 25 °C, sea level
--------	----------------------------

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.

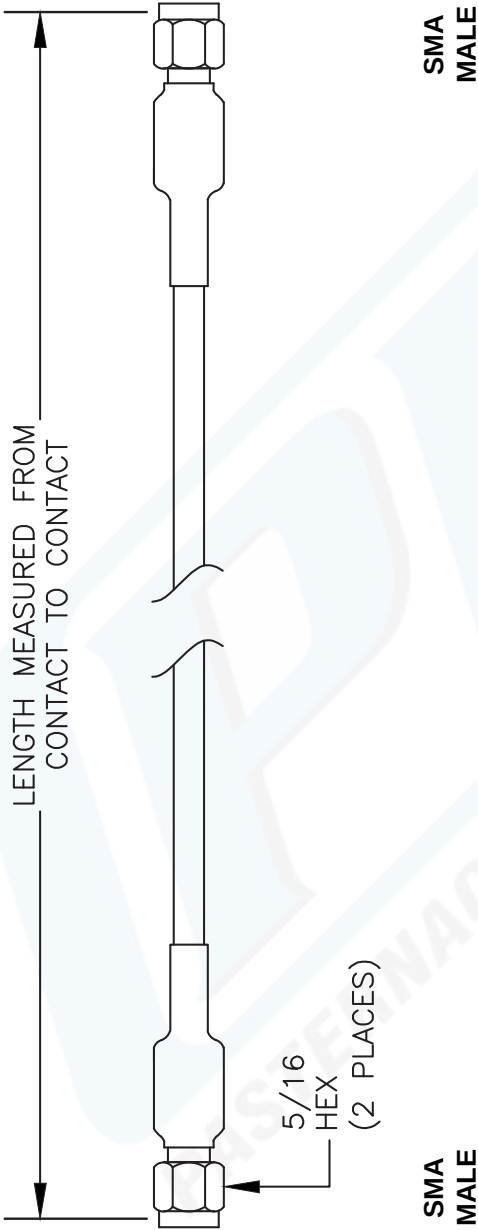
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Precision Cable Using 165 Series Coax, RoHS PE3790](#)

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

PE3790 CAD Drawing

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





PASTERNAK®
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

DWG TITLE		DES. 26.5 GHZ FLEXIBLE CABLE ASSEMBLY, PE-LL165P, SMA MALE TO SMA MALE (NONE MAGNETIC)	
PE3790			
REV. A	FSCM NO. 53919	CAD FILE 052312	SCALE N/A
		SIZE A	2233
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
<div>Part Number Configuration</div> <div>PE3 <input type="text"/> <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></div> <div>00 - 99999</div> <div>LF = Lead Free</div> <div>< Blank > = Standard</div> <div>Note: LF applies only to RF cables</div> <div>CM = Centimeters</div> <div>< Blank > = Inches</div> <div>Length</div>	Examples	-12	12"
	PE3000LF-100	-24	24"
	PE3000-100	-36	36"
	PE3000LF-100CM	-48	48"
	PE3000-100CM	-60	60"
		-XX	Custom Length
Components		Part # Ext.	Length In Centimeters
SMA MALE	Impedance	-25CM	25Cm
		-50CM	50Cm
		-75CM	75Cm
		-100CM	100Cm
		-125CM	125Cm
		-XXCM	Custom Length