PASTERNACK®
THE ENGINEER'S RF SOURCE

SMA Male to SMA Male Cable Using Tinned RG402 Coax

RF Cable Assemblies Technical Data Sheet PE3C1015

Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male
- Cable Type: RG402 Tinned

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.4:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Max.)	0.12	0.18	0.28	0.44	0.67	dB/ft
	[0.39]	[0.59]	[0.92]	[1.44]	[2.2]	[dB/m]
VSWR (Max.)	1.4:1	1.4:1	1.4:1	1.4:1	1.4:1	
Return Loss (Max.)	15.56	15.563	15.563	15.563	15.563	dB

Electrical Specification Notes:
Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as .05dB x Frequency (GHz) per connector.

Mechanical Specifications

Cable Assembly

Diameter	0.315 in [8 mm]
Weight	0.022 lbs [9.98 g]
One Time Minimum Bend Radius	1 in [25.4 mm]

Cable

Cable Type	RG402 Tinned
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1

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 Cable Using Tinned RG402 Coax PE3C1015

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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Shield Layer 1	Tinned Copper

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	50µ in. minimum	50µ in. minimum
Dielectric Type	Teflon	Teflon
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100µ in. minimum	100µ in. minimum
Hex Size	5/16 in	5/16 in
Torque	5 in-lbs [0.57 Nm]	5 in-lbs [0.57 Nm]
Body Material and Plating	Stainless Steel, Gold	Stainless Steel, Gold
Body Plating Specification	10µ in. minimum	10µ in. minimum

Environmental Specifications

Temperature

Operating Range	-55 to +125 deg C

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

For RoHS Compliant version, use PE3c1015LF. Contact Pasternack if product cannot be found.

REACH Compliant	01/01/1753

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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How to Order

Part Number Configuration: **PE3C1015 - xx uu**

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE3C1015 — Base Number

Example: PE3C1015-12 = 12 inches long cable
PE3C1015-100cm = 100 cm long cable

SMA Male to SMA Male Cable Using Tinned RG402 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave 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 Cable Using Tinned RG402 Coax PE3C1015

URL: http://www.pasternack.com/sma-male-sma-male-tinned-rg402-cable-assembly-pe3c1015-p.aspx

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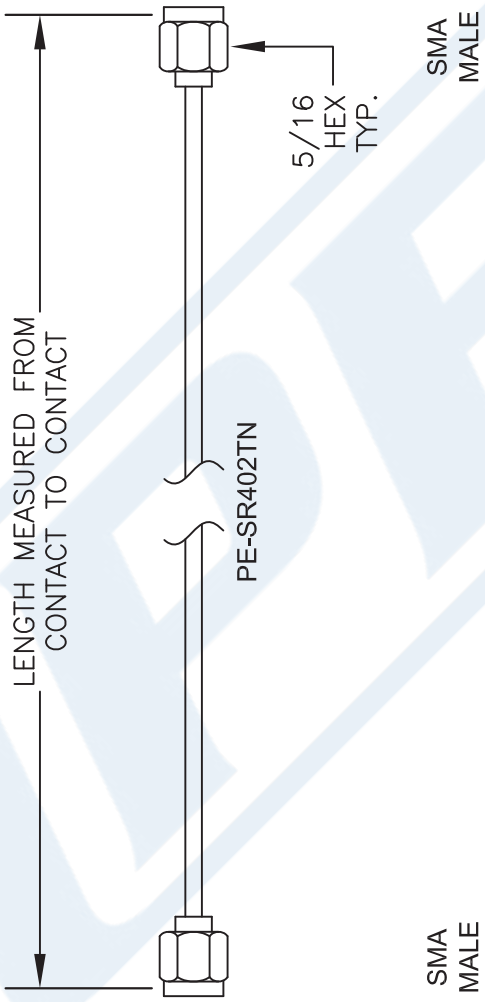
PE3C1015 CAD Drawing

SMA Male to SMA Male Cable Using Tinned RG402 Coax



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.

CAD FILE 111715	SCALE N/A	SIZE A	2233

DWG TITLE **PE3C1015**

FSCM NO. 53919

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