



SMA Male to SMA Male Cable 48 Inch Length Using Tinned RG402 Coax

RF Cable Assemblies Technical Data Sheet

PE3C1015-48

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.)	0.48	0.72	1.12	1.76	2.68	dB
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

Length	48 in [121.92 cm]
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 48 Inch Length Using Tinned RG402 Coax PE3C1015-48](#)



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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-48. 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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PE3C1015-48

How to Order

Part Number Configuration:

PE3C1015

- **xx**

uu

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

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

SMA Male to SMA Male Cable 48 Inch Length 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.

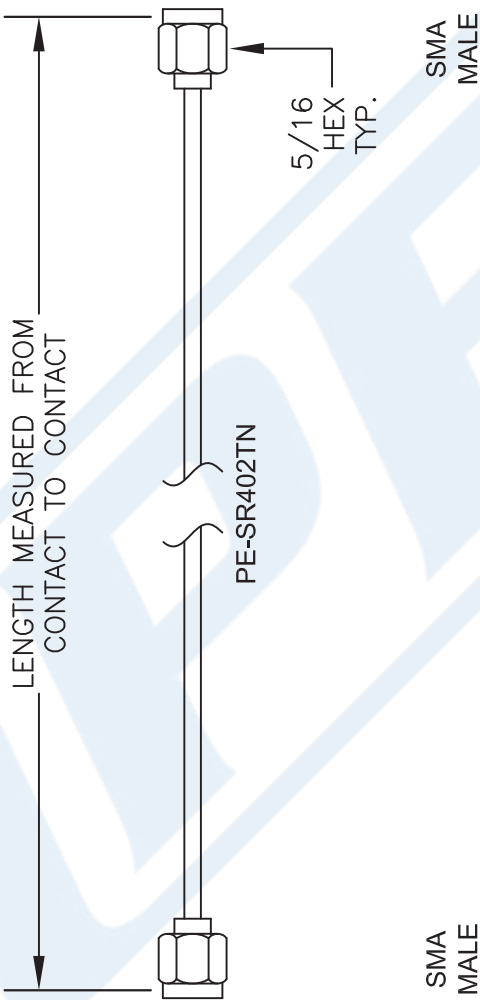
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Cable 48 Inch Length Using Tinned RG402 Coax PE3C1015-48](#)

URL: <http://www.pasternack.com/sma-male-sma-male-tinned-rg402-cable-assembly-pe3c1015-48-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.

PE3C1015-48 CAD Drawing

SMA Male to SMA Male Cable 48 Inch Length 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 $\pm 1.5\%$ OR $3/8"$, WHICHEVER IS GREATER.

DWG TITLE		CAD FILE		SCALE	
PE3C1015		111715		N/A	
FSCM NO. 53919		2233		SIZE A	

PE

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