



SMA Male to TNC Male Precision Cable 6 Inch Length Using 150 Series Coax, RoHS

TECHNICAL DATA SHEET

PE35419-6

SMA Male to TNC Male Precision Cable 6 Inch Length Using 150 Series Coax, RoHS

Configuration

| | |
|-------------|------------|
| Connector 1 | SMA Male |
| Connector 2 | TNC Male |
| Cable Type | 150 Series |

Electrical Specifications

| | |
|---------------------------------|----------|
| Frequency Range, GHz | DC to 18 |
| Impedance, Ohms | 50 |
| Maximum VSWR | 1.4:1 |
| Velocity of Propagation, % | 69.5 |
| RF Shielding, dB | 90 |
| Maximum Operating Voltage, Vrms | 1,900 |

Typical Electrical Specifications

Frequency 1

| | |
|----------------|--------------------------|
| Frequency, GHz | 2 |
| VSWR | 1.11:1 |
| Insertion Loss | 0.21 dB/ft [0.69 dB/m] |

Frequency 2

| | |
|----------------|--------------------------|
| Frequency, GHz | 6 |
| VSWR | 1.15:1 |
| Insertion Loss | 0.32 dB/ft [1.05 dB/m] |

Frequency 3

| | |
|----------------|--------------------------|
| Frequency, GHz | 10 |
| VSWR | 1.23:1 |
| Insertion Loss | 0.42 dB/ft [1.38 dB/m] |

Frequency 4

| | |
|----------------|--------------------------|
| Frequency, GHz | 14 |
| VSWR | 1.33:1 |
| Insertion Loss | 0.53 dB/ft [1.74 dB/m] |

Frequency 5

| | |
|----------------|-------------------------|
| Frequency, GHz | 18 |
| VSWR | 1.38:1 |
| Insertion Loss | 0.64 dB/ft [2.1 dB/m] |

Electrical Specification Notes:

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

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 TNC Male Precision Cable 6 Inch Length Using 150 Series Coax, RoHS PE35419-6](#)

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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Mechanical Specifications

Cable Assembly

Cable Type 150 Series

Temperature

Temperature Operating Range, deg C -50 to +205

Size

Length, in [mm] 6 [152.4]

One Time Minimum Bend Radius, in [mm] 1 [25.4]

Cable

Center Conductor Type Solid
 Cable Inner Conductor Copper Clad Steel, Silver
 No of Shields 1
 Dielectric Type PTFE
 Jacket Material FEP
 Jacket Diameter, in [mm] 0.15 [3.81]

Connector 1

Type SMA Male
 Configuration Straight
 Inner Conductor Material and Plating Copper Clad Steel, 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

Connector 2

Type TNC Male
 Configuration Straight
 Inner Conductor Material and Plating Gold
 Coupling Nut Material and Plating Passivated Stainless Steel
 Hex Size, in. 5/8
 Torque, in-lbs [Nm] 14 [1.58]
 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

SMA Male to TNC Male Precision Cable 6 Inch Length Using 150 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.

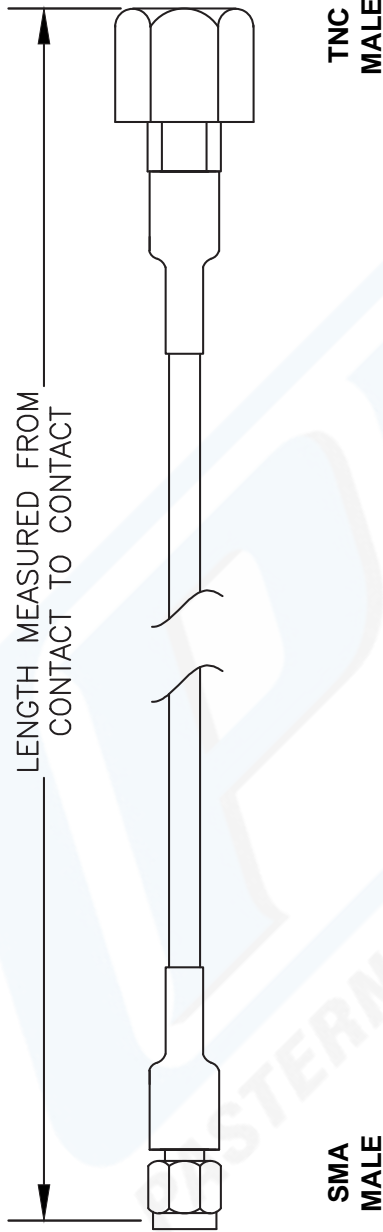
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URL: <http://www.pasternack.com/sma-male-tnc-male-150-series-cable-assembly-pe35419-6-p.aspx>

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PE35419-6 CAD Drawing

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| How To Order | | Part # Ext. | Length In Inches | Part # Ext. | Length In Centimeters |
|------------------------------------|------------|-------------|------------------|-------------|-----------------------|
| Part Number Configuration | | -12 | 12" | -25CM | 25Cm |
| PE3 | yy - xx uu | -24 | 24" | -50CM | 50Cm |
| 00 - 99999 | zzz | -36 | 36" | -75CM | 75Cm |
| LF = RoHS Compliant | | -48 | 48" | -100CM | 100Cm |
| < Blank > = Standard | | -60 | 60" | -125CM | 125Cm |
| Note: LF applies only to RF cables | | -XX | Custom Length | -XXCM | Custom Length |
| | | | Custom Length | | |

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.

DWG TITLE
PE35419
 FSCM NO. 53919
 CAD FILE 030813
 SCALE N/A
 SIZE A
 2233

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