PASTERNACK®
www.pasternack.com

SMA Male to N Male Precision Cable Using 150 Series Coax, RoHS

TECHNICAL DATA SHEET PE33231

SMA Male to N Male Precision Cable Using 150 Series Coax, RoHS

Configuration

Connector 1	SMA Male
Connector 2	N 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 Performance by Frequency

Frequency 1

Frequency, GHz	2
VSWR	1.1:1
Insertion Loss	0.22 dB/ft [0.72 dB/m]

Frequency 2

Frequency, GHz	6
VSWR	1.08:1
Insertion Loss	0.34 dB/ft [1.12 dB/m]

Frequency 3

Frequency, GHz	10
VSWR	1.17:1
Insertion Loss	0.45 dB/ft [1.48 dB/m]

Frequency 4

Frequency, GHz	14
VSWR	1.23:1
Insertion Loss	0.57 dB/ft [1.87 dB/m]

Frequency 5

Frequency, GHz	18
VSWR	1.25:1
Insertion Loss	0.68 dB/ft [2.23 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 N Male Precision Cable Using 150 Series Coax, RoHS PE33231

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

ISO 9001 : 2008 Registered

PASTERNACK®
www.pasternack.com

SMA Male to N Male Precision Cable Using 150 Series Coax, RoHS

TECHNICAL DATA SHEET PE33231

Mechanical Specifications

Cable Assembly

Cable Type	150 Series

Temperature

Temperature Operating Range, deg C	-55 to +205
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	N Male
Configuration	Straight
Inner Conductor Material and Plating	Gold
Outer Conductor Material and Plating	Passivated Stainless Steel
Coupling Nut Material and Plating	Brass, Nickel
Body Material and Plating	Passivated Stainless Steel
Dielectric Type	PTFE

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

RoHS Compliant	Yes

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 N Male Precision Cable Using 150 Series Coax, RoHS PE33231

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

ISO 9001 : 2008 Registered

SMA Male to N Male Precision Cable Using 150 Series Coax, RoHS

TECHNICAL DATA SHEET PE33231

Plotted and Other Data

Notes: Values at 25 °C, sea level

SMA Male to N Male Precision Cable 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.

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 N Male Precision Cable Using 150 Series Coax, RoHS PE33231

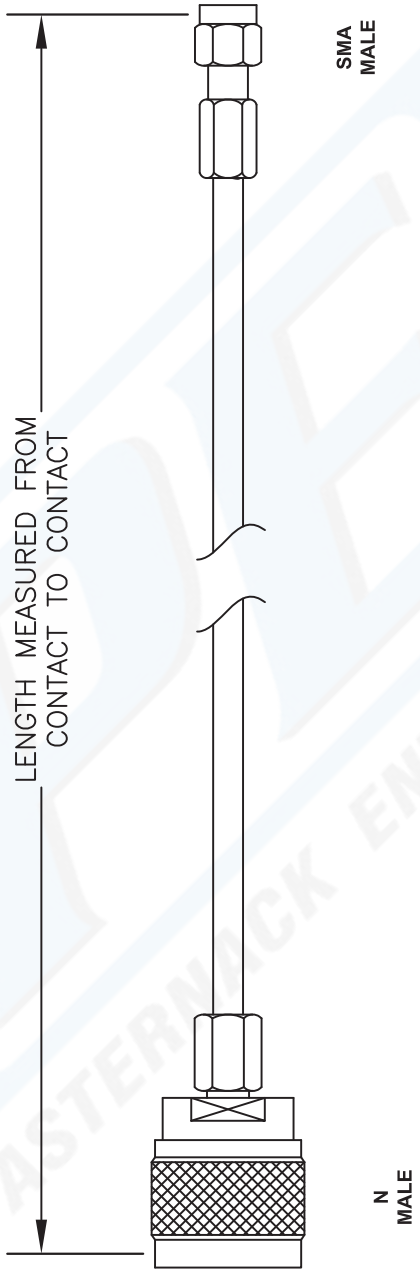
URL: http://www.pasternack.com/sma-male-n-male-150-series-cable-assembly-pe33231-p.aspx

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

PE33231 CAD Drawing

SMA Male to N Male Precision Cable Using 150 Series Coax, RoHS

Standard Lengths	
-12	12"
-24	24"
-36	36"
-48	48"
-60	60"
-XXX	Custom Length in Inches



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 **PE33231-XX**

REV. A | FSCM NO. 53919 | CAD FILE 030508 | SCALE N/A | SIZE A | 127

PASTERNACK ENTERPRISES, INC.
P.O BOX 16759, IRVINE, CA 92623
PHONE (949) 261-1920 FAX (949) 261-7451
WEB ADDRESS: www.pasternack.com
E-MAIL ADDRESS: sales@pasternack.com
COAXIAL & FIBER OPTICS
PASTERNACK ENTERPRISES®
ESTABLISHED 1972