PASTERNACK
an INFINITE brand

BNC Male Right Angle to SMA Male Cable
Using RG223 Coax with HeatShrink

## RF Cable Assemblies Technical Data Sheet   PE3526/HS

Configuration
- Connector 1: BNC Male Right Angle
- Connector 2: SMA Male
- Cable Type: RG223

Features
- Max Frequency 4 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket

RG223/U

JACKET
OUTER SHIELD
INNER SHIELD

0.210 Ø [5.3]

DIELECTRIC

SOLID CENTER CONDUCTOR
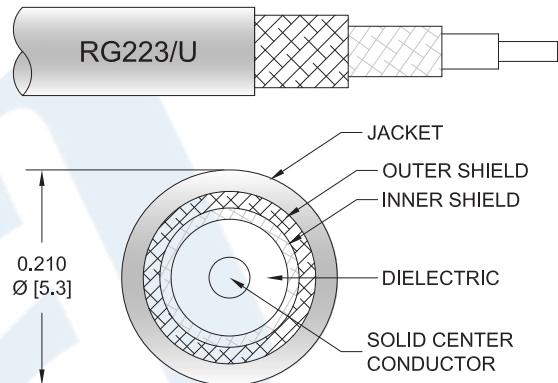
Applications
- General Purpose
- Laboratory Use

Description

Pasternack's PE3526/HS BNC male right angle to SMA male cable using RG223 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack BNC to SMA cable assembly has a male to male gender configuration with 50 ohm flexible RG223 coax. The PE3526/HS BNC male to SMA male cable assembly operates to 4 GHz. The right angle BNC interface on the RG223 cable allows for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Male Right Angle to SMA Male Cable Using RG223 Coax with HeatShrink PE3526/HS

PE3526/HS REV 1.0

PASTERNACK
an INFINITe brand

BNC Male Right Angle to SMA Male Cable Using RG223 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	4	GHz
Insertion Loss (Typ.)	0.04	0.061	0.09	0.134	0.291	dB/ft
	0.13	0.2	0.3	0.44	0.95	dB/m

Electrical Specification Notes:
Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the SMA male connector and 0.2 dB for the BNC male connector.

Mechanical Specifications

Cable Assembly

Weight	0.099 lbs [44.91 g]

Cable
Cable Type	RG223
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.209 in [5.31 mm]
Repeated Minimum Bend Radius	1 in [25.4 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Male Right Angle to SMA Male Cable Using RG223 Coax with HeatShrink PE3526/HS

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

© 2020 Pasternack Enterprises All Rights Reserved   PE3526/HS REV 1.0   2

PASTERNACK
an INFINITE brand

BNC Male Right Angle to SMA Male Cable
Using RG223 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet — PE3526/HS

Connectors

Description	Connector 1	Connector 2
Type	BNC Male Right Angle	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	30 µin minimum	50 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum	100 µin minimum
Hex Size		5/16 inch
Torque		3 in-lbs [0.34 Nm]

Environmental Specifications
Temperature
Operating Range   -20 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data
Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Male Right Angle to SMA Male Cable Using RG223 Coax with HeatShrink PE3526/HS

PE3526/HS REV 1.0

BNC Male Right Angle to SMA Male Cable
Using RG223 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet   PE3526/HS

How to Order

Part Number Configuration: **PE3526/HS**   - xx   uu

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number
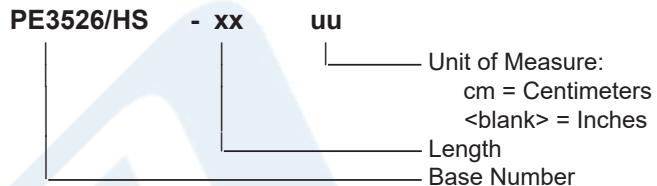
Example: PE3526/HS-12 = 12 inches long cable
PE3526/HS-100cm = 100 cm long cable

BNC Male Right Angle to SMA Male Cable Using RG223 Coax with HeatShrink from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% 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: BNC Male Right Angle to SMA Male Cable Using RG223 Coax with HeatShrink PE3526/HS

URL: https://www.pasternack.com/bnc-male-right-angle-to-sma-male-cable-using-rg223-with-heatshrink-pe3526-hs-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.

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

© 2020 Pasternack Enterprises All Rights Reserved   PE3526/HS REV 1.0   4

PE3526/HS CAD Drawing
BNC Male Right Angle to SMA Male Cable Using RG223 Coax with HeatShrink

8mm HEX

SMA MALE CONNECTOR

LENGTH

RG233/U CABLE

WWW.PASTERNACK.COM
PEXXXXXX

LABEL
SEE NOTE 1

2X HEAT SHRINK

BNC MALE RIGHT ANGLE CONNECTOR

NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT:
   36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED.
   LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES
   FROM EACH CONNECTOR.
2. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

REVISION

ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A	INITIAL RELEASE	02/10/2023	KGLEBOVA	SRAUTUS

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:
	FRACTIONS
.X = ± .2 [5]	± 1/32
.XX = ± .02 [.5]	ANGLES ± 1°
.XXX = ± .005 [.13]	

CABLE LENGTH TOLERANCES:
≤12 [305] = +1 [25] / -0
>12 [305] ≤ 60 [1524] = +2 [51] / -0
>60 [1524] ≤ 120 [3048] = +4 [102] / -0
>120 [3048] ≤ 300 [7620] = +6 [152] / -0
>300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE.

INTERPRET ALL DIMENSIONS AND
TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

PASTERNACK®
an INFINITE brand

Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION
BNC MALE RIGHT ANGLE TO SMA MALE CABLE USING RG223
COAX WITH HEATSHRINK

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	KGLEBOVA	PE3526/HS	A

T-Rev.D2

PE3526/HS REV 1.0