



TECHNICAL DATA SHEET

PE3W02586

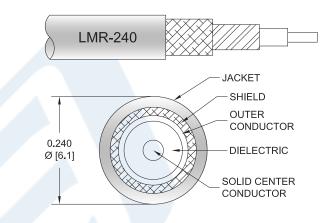
Configuration

· Connector 1: SMA Male Right Angle

Connector 2: N MaleCable Type: LMR-240Coax Flex Type: Flexible

Features

- Shielding Effectivity > 90 dB
- 84% Phase Velocity
- · Double Shielded
- PE Jacket



Applications

General Purpose

Laboratory Use

Description

Pasternack's PE3W02586 SMA male right angle to type N male cable using LMR-240 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 SMA to type N cable assembly has a male to male gender configuration with 50 ohm flexible LMR-240 coax. The right angle SMA interface on the LMR-240 cable allows for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

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: SMA Male Right Angle to N Male Low Loss Cable Using LMR-240 Coax with Times Microwave Components PE3W02586

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





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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		84		%
RF Shielding	90			dB
Group Delay		1.21 [3.97]		ns/ft [ns/m]
Capacitance		24.2 [79.4]		pF/ft [pF/m]
Inductance		0.06 [0.2]		uH/ft [uH/m]
DC Resistance Inner Conductor		3.2 [10.5]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		3.89 [12.76]		Ω/1000ft [Ω/Km]
Jacket Spark			5,000	Vrms

Mechanical Specifications

Cable Assembly

Weight 0.133 lbs [60.33 g]

Cable

Cable Type

Impedance

Inner Conductor Type

Inner Conductor Material and Plating

Dielectric Type Number of Shields Shield Layer 1 Shield Layer 2 Jacket Material Jacket Diameter

One Time Minimum Bend Radius Repeated Minimum Bend Radius

Bending Moment Flat Plate Crush Tensile Strength 0.133 lbs [60.33 g]

LMR-240 50 Ohms Solid Copper PE (F) 2

Aluminum Tape Tinned Copper Braid

PE, Black 0.24 in [6.1 mm]

0.75 in [19.05 mm] 2.5 in [63.5 mm] 0.25 lbs-ft [0.34 N-m] 20 lbs/in [0.36 Kg/mm] 80 lbs [36.29 Kg]

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Connectors

Description	Connector 1	Connector 2	
Туре	SMA Male Right Angle Threaded	N Male Threaded	
Specification	MIL-STD-348	MIL-STD-348	
Impedance	50 Ohms	50 Ohms	
Contact Material and Plating	Brass/Phosphor Bronze, Gold	Beryllium Copper, Gold	
Contact Plating Specification	50 μin minimum	ASTM-B488	
Dielectric Type	Teflon	Teflon	
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal	
Body Plating Specification	80 μin minimum	QQ-N-290	
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal	
Coupling Nut Plating Specification	80 μin minimum	QQ-N-290	
Hex Size	5/16 Inch		

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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How to Order



Example: PE3W02586-12 = 12 inches long cable PE3W02586-100cm = 100 cm long cable

SMA Male Right Angle to N Male Low Loss Cable Using LMR-240 Coax with Times Microwave Components 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: SMA Male Right Angle to N Male Low Loss Cable Using LMR-240 Coax with Times Microwave Components PE3W02586

URL: https://www.pasternack.com/sma-male-right-angle-to-n-male-low-loss-cable-using-lmr-240-pe3w02586-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.

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PE3W02586 CAD Drawing SMA Male Right Angle to N Male Low Loss Cable Using LMR-240 Coax with Times Microwave Components INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 Αğ APPROVED BY DESCRIPTION
SMA MALE RIGHT ANGLE TO N MALE LOW LOSS CABLE USING
SMA MALE RIGHT ANGLE TO N MALE LOW LOSS CABLE USING
SMA MALE RIGHT ANGLE TO N MALE LOW LOSS CABLE USING
COMPONENTS
COMPONENTS AGANWANI 1 P SHEET PE3W02586 CHANGED BY **BPUCHASKI** NONE SCALE TYPE N MALE CONNECTOR 10/09/2023 PASTERNACK 20.54mm⁻ HEX Website: www.Pasternack.com Phone: 1.866.727.8376 | 1.949.261.1920 DATE REVISION an INFINIT® brand **BPUCHASKI INITIAL RELEASE** DESCRIPTION DRAWN BY CAGE CODE 53919 SIZE REV. ⋖ ⋖ ZONE ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE.
UN-DIMENSIONED/NON-CRITICAL FEATURES
MAY VARY IN SIZE AND LOCATION
COLORS MAY VARY SEE NOTE 1 <12 [305] < 10 [305] < 10 [304] = +1 [25] / -0</p>
>12 [305] < 60 [1524] = +2 [51] / -0</p>
>60 [1524] < 20 [3048] = +4 [102] / -0</p>
>120 [3048] < 300 [7620] = +6 [52] / -0</p>
>300 [7620] = +5% / -0 ± 1/32 ANGLES ± 1° FRACTIONS UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHE DIMENSIONS IN [] ARE MILLIMETER CABLE LENGTH TOLERANCES: LABEL FOLERANCES: $X = \pm .2 [5]$ $XX = \pm .02 [0.5]$ $XX = \pm .005 [0.13]$ LMR-240 CABLE WWW.PASTERNACK.COM SEE NOTE 3 LENGTH THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITES, TECHNOLOGY OR WHOLE WITHOUT THE WRITTEN PROMITE STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO US. LAW PROHIBITED. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY. OR LESS, ONE LABEL APPROXIMATELY CENTERED. 2X HEATSHRINK 6 INCHES FROM EACH CONNECTOR. RIGHT ANGLE CONNECTOR SMA MALE 8mm HEX DESCRIPTION NOTES: PE DS Rev-D4 Asize લં હ

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