



BNC Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240

RF Connectors Technical Data Sheet



EZ-240-BM-RA-X

Times Microwave Systems Connector Specification

Configuration

- BNC Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240

Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.35:1
- Gold over nickel Plated Brass Contact
- 50 μ m minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

EZ-240-BM-RA-X BNC male right angle coaxial connector has an interface type of BNC male LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, and PE-C240 and a 50 Ohms impedance. Pasternack's BNC male connector uses crimp/non-solder contact as an attachment method. Our male BNC right angle coaxial connector provides a maximum frequency of 6 GHz.

The Pasternack right angle BNC male coaxial connector has a teflon dielectric type and a VSWR of 1.35:1. Pasternack's BNC coaxial connector has a brass body with tri-metal plating. Our EZ-240-BM-RA-X BNC right angle connector uses a gold over nickel-plated brass contact. Additional RF connector specs and dimensions for this component can be found on its PDF specification datasheet and CAD drawings above.

The radio frequency connector is made from brass material and has a contact life of 500 cycles or more. Our high-quality EZ-240-BM-RA-X features an 80 μ m minimum body plating specification. The Pasternack EZ-240-BM-RA-X BNC connector operates at a temperature range of -55 to 155 deg C. The Pasternack BNC male connector has a maximum operating voltage of 500 Vrms.

This Pasternack right angle male BNC connector will ship the same business day as purchased. Our BNC right angle male connector is part of over 40,000 RF, microwave, and millimeter wave components in stock for local, domestic, and international shipment. For further information on similar products, our expert technical support and trained sales team can get you the ideal RF connector as per your requirements.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.35:1	
Operating Voltage (AC)			500	Vrms
Impedance		50		Ohms
Dielectric Withstanding Voltage (DC)			750	Vdc
Insulation Resistance	5,000			MOhms

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 Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 EZ-240-BM-RA-X](#)

BNC Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240



RF Connectors Technical Data Sheet

Mechanical Specifications

Size

Length	1.32 in [33.53 mm]
Width	0.57 in [14.50 mm]
Height	1.19 in [30.10 mm]
Weight	0.10 lbs [45.36 g]
Mating Cycles	500 Cycles
Cable Retention Force	60 lbs 27.22 kg

Material Specifications

Description	Material	Plating
Contact	Brass	Gold over nickel 50 µin minimum
Insulation	Teflon	
Body	Brass	Tri-Metal 80 µin minimum
Crimp Sleeve	Brass	Tri-Metal 80 µin minimum

Environmental Specifications

Temperature

Operating Range	-55 to +155 deg C
Shock	US MIL-STD 202, Meth.213, Cond.I
Vibration	US MIL-STD 202, Meth.204, Cond.B
Thermal Shock	US MIL-STD 202, Meth.107, Cond.B

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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BNC Male Right Angle Connector Crimp/Non-Solder
Contact Attachment for LMR-240, LMR-240-DB,
LMR-240-UF, LMR-240-FR, RG8X, PE-C240

RF Connectors Technical Data Sheet



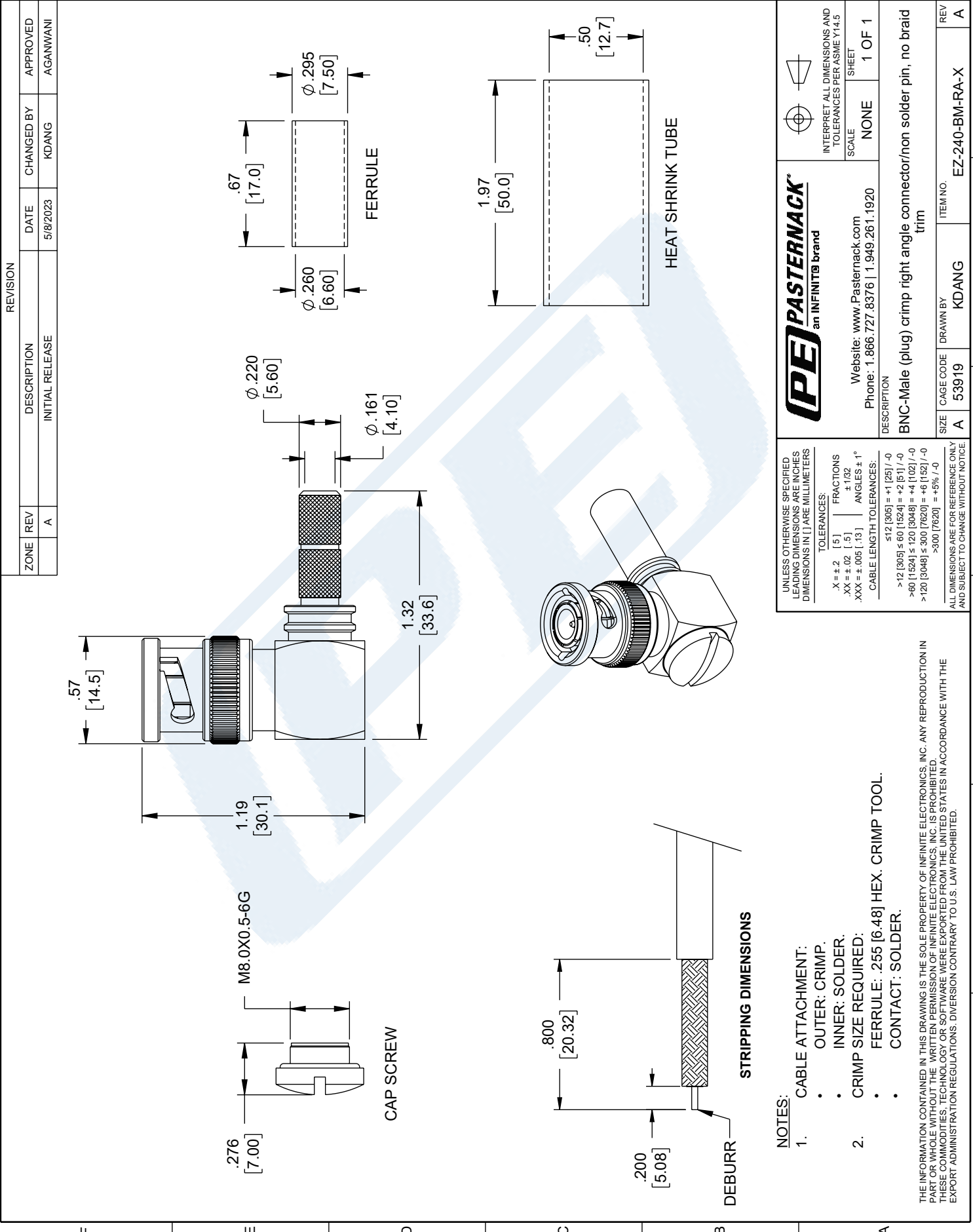
EZ-240-BM-RA-X

BNC Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 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.

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ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	5/19/2023	KDANG	AGANWANI

PE PASTERNAK
an INFINITI® brand

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

SCALE: NONE
SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

DESCRIPTION: BNC-Male (plug) crimp right angle connector/non solder pin, no braid trim

ITEM NO. EZ-240-BM-RA-X

REV A

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

TOLERANCES:

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

CABLE LENGTH TOLERANCES:

≤ 12 [305]	± .125 [-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

- NOTES:**
- CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: SOLDER.
 - CRIMP SIZE REQUIRED:
 - FERRULE: .255 [6.48] HEX. CRIMP TOOL.
 - CONTACT: SOLDER.
- STRIPPING DIMENSIONS
- DEBURR
- CAP SCREW
- M8.0X0.5-6G
- HEAT SHRINK TUBE
- FERRULE



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- 50 Ohms
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- Connector Interface Types: LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240

Features

- Max. Operating Frequency 6 GHz
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- 50 μ m minimum contact plating

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- General Purpose Test
- Custom Cable Assemblies

Description

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The radio frequency connector is made from brass material and has a contact life of 500 cycles or more. Our high-quality EZ-240-BM-RA-X features an 80 μ m minimum body plating specification. The Pasternack EZ-240-BM-RA-X BNC connector operates at a temperature range of -55 to 155 deg C. The Pasternack BNC male connector has a maximum operating voltage of 500 Vrms.

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.35:1	
Operating Voltage (AC)			500	Vrms
Impedance		50		Ohms
Dielectric Withstanding Voltage (DC)			750	Vdc
Insulation Resistance	5,000			MOhms

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RF Connectors Technical Data Sheet

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Size

Length	1.32 in [33.53 mm]
Width	0.57 in [14.50 mm]
Height	1.19 in [30.10 mm]
Weight	0.10 lbs [45.36 g]
Mating Cycles	500 Cycles
Cable Retention Force	60 lbs 27.22 kg

Material Specifications

Description	Material	Plating
Contact	Brass	Gold over nickel 50 µin minimum
Insulation	Teflon	
Body	Brass	Tri-Metal 80 µin minimum
Crimp Sleeve	Brass	Tri-Metal 80 µin minimum

Environmental Specifications

Temperature

Operating Range	-55 to +155 deg C
Shock	US MIL-STD 202, Meth.213, Cond.I
Vibration	US MIL-STD 202, Meth.204, Cond.B
Thermal Shock	US MIL-STD 202, Meth.107, Cond.B

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

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Contact Attachment for LMR-240, LMR-240-DB,
LMR-240-UF, LMR-240-FR, RG8X, PE-C240

RF Connectors Technical Data Sheet



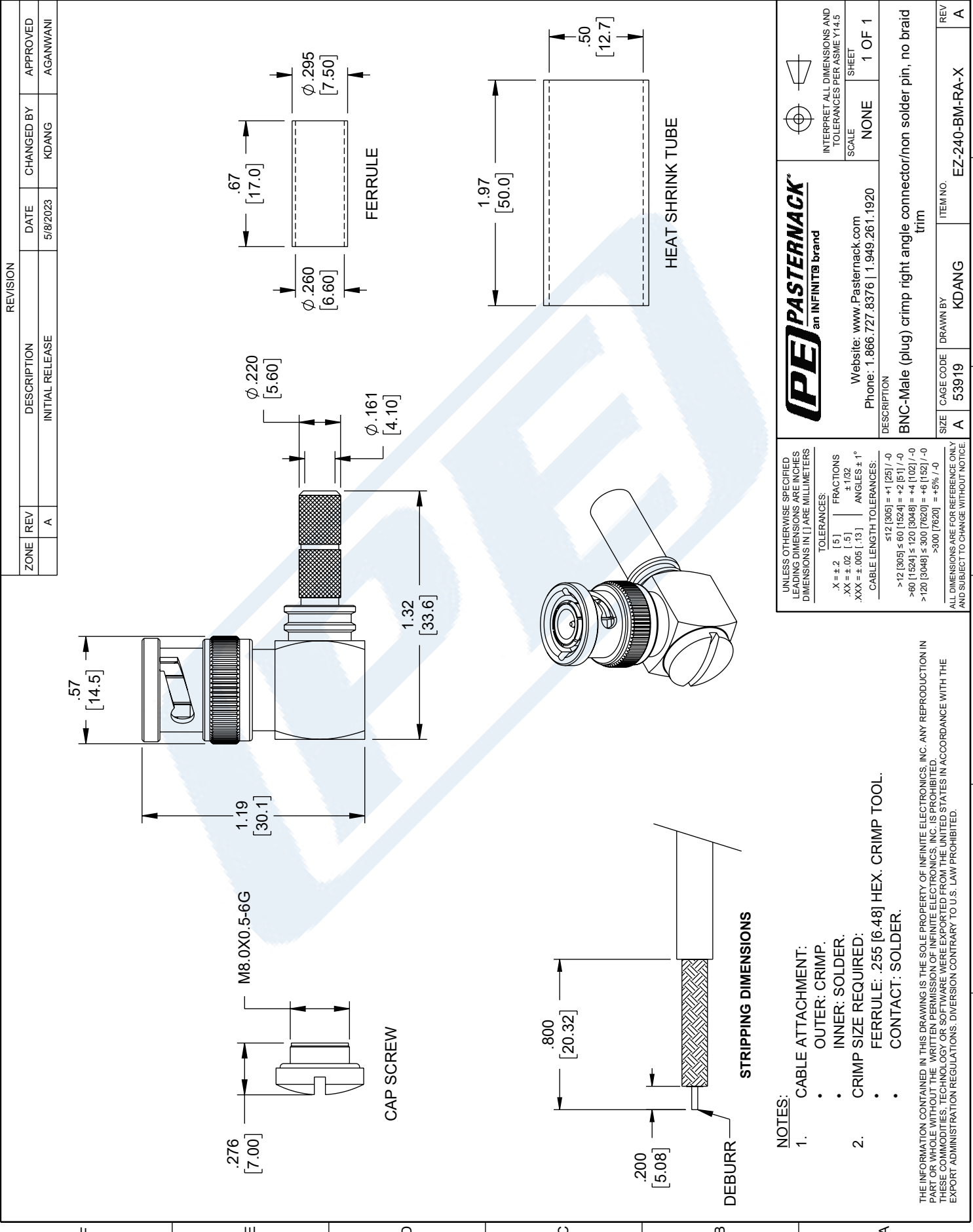
EZ-240-BM-RA-X

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PE PASTERNAK
an INFINITI® brand

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

SCALE: NONE
SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

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 - CONTACT: SOLDER.
- STRIPPING DIMENSIONS
- DEBURR
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Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables Technical Data Sheet

Times Microwave Systems Coax Cable Specification Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
Operating Voltage (AC)			2,500	Vrms
Nominal Capacitance		26 [85.3]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	10	400	700	1,000		MHz
Attenuation, Typ	1	8	11.1	13.5		dB/100ft
	3.28	26.25	36.42	44.29		dB/100m
Input Power (CW), Max	1,000	110	75	60		Watts

Electrical Specification Notes:
All tests performed in accordance with MIL-DTL-17

Mechanical Specifications

Diameter 0.242 in [6.15 mm]
Weight 0.0375 lbs/ft [0.06 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper19	0.056 in 1.42 mm
Conductor Type	Stranded	
Dielectric	PE (F)	0.155 in 3.94 mm

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8X Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8X](#)



Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables Technical Data Sheet

First Shield	Copper Braid	
Jacket	PVC (NC), Black	0.242 in [6.15 mm]

Environmental Specifications

Temperature

Operating Range -40 to +80 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

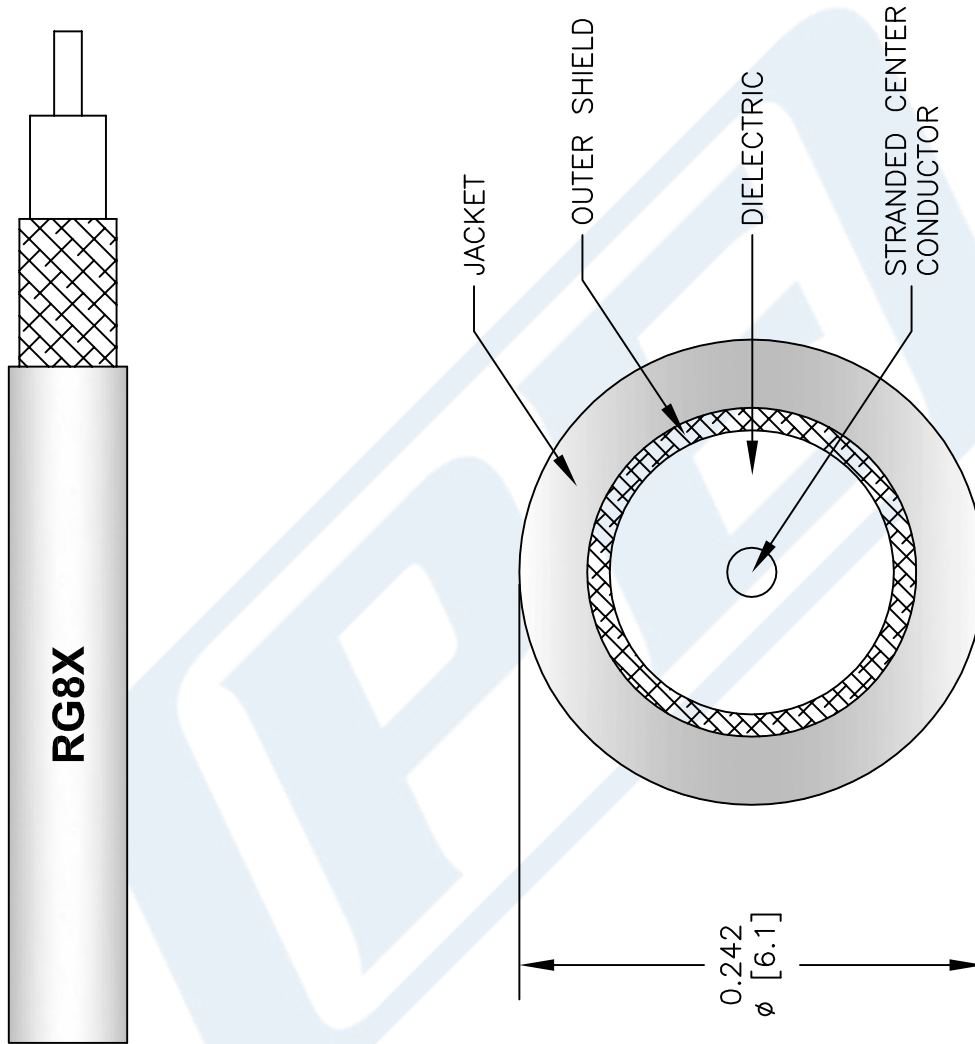
Notes:

Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket 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.

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URL: <https://www.pasternack.com/flexible-0.242-rg8x-50-ohm-coax-cable-pvc-jacket-rg8x-p.aspx>

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NOTES:
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 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
 3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE

RG8X

REV. A

FSCM NO. 53919

CAD FILE 040113-A

SCALE N/A

SIZE A

147



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