

RA N Male Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X Cable

Times Microwave Systems Connector Specification

EZ-240-NMH-RA-X N male right angle coaxial connector has an interface type of N male which is compatible with LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, and RG8X cables and a 50 Ohms impedance. Fairview Microwave's N male connector uses crimp/non-solder contact as an attachment method. Our male N right angle coaxial connector operates at a maximum frequency of 6 GHz.

The Fairview Microwave right angle N male coaxial connector has a ptfe dielectric type and a VSWR of 1.35. Fairview Microwave's N coaxial connector has a brass body with tri-metal plating. Our EZ-240-NMH-RA-X N right angle connector uses beryllium bronze contact. This threaded RF connector can operate at temperatures ranging from -55 to 125 degrees C. 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 along with a contact life of 500 cycles or more. Our high-quality EZ-240-NMH-RA-X connector features an 80 µin minimum body plating specification. This right angle N connector has a gold inner contact plating.

This Fairview Microwave right angle male N connector will ship the same business day as purchased. Our N right angle male connector is part of over 40,000 RF, microwave, and millimeter wave components in stock for worldwide 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	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.35:1	
Insertion Loss			0.24	dB
DWV (DC)			1,000	Vdc
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:
Insertion Loss is $0.1 * \text{SQRT}(f\text{GHz})$ dB

Mechanical Specifications

Size	
Length	1.123 in [28.52 mm]
Width/Dia.	0.81 in [20.57 mm]
Height	1.233 in [31.32 mm]
Weight	0.1 lbs [45.36 g]
Mating Cycles	500 Cycles
Mating Torque	1.7 in-lbs [0.19 Nm]
Cable Retention Force	300 lbs [136.08 kg]

Material Specifications

Description	Material	Plating
Contact	Beryllium Bronze	Gold 50 µin minimum



Configuration:

- N Male Connector
- 50 Ohms
- Right Angle Body Geometry
- LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X Interface Type
- Crimp/Non-Solder Contact Attachment

Features:

- Operating Frequency of 6 GHz Max.
- Good VSWR of 1.35:1
- Gold Plated Beryllium Bronze Contact
- 50 µin minimum contact plating

Applications:

- General Purpose Test
- Custom Cable Assemblies

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Insulation	PTFE	
Body	Brass	Tri-Metal 80 µin minimum
Coupling Nut	Brass	Tri-Metal 80 µin minimum
Gasket	Silicone	
Crimp Sleeve	Brass	Tri-Metal 80 µin minimum

Environmental Specifications

Temperature

Operating Range

-55 to +125 deg C

Shock

MIL-STD 202G, Meth.213, Cond I

Vibration

MIL-STD 202G, Meth.204, Cond.B

Thermal Shock

MIL-STD 202G, Meth.107, Cond.B

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

Plotted and Other Data

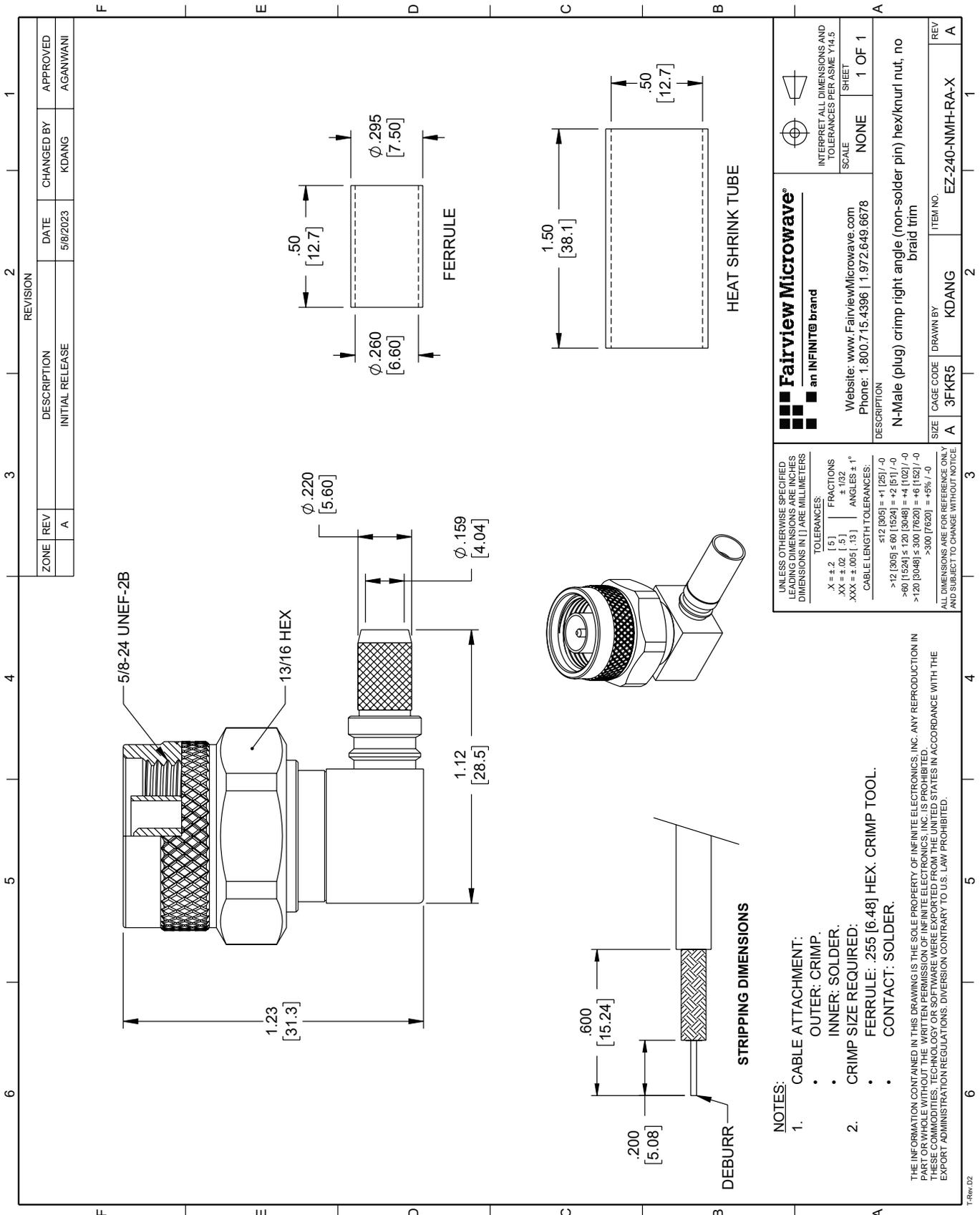
Notes:

RA N Male Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RA N Male Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X Cable EZ-240-NMH-RA-X](#)

URL: <https://www.fairviewmicrowave.com/n-male-lmr-240-lmr-240-db-lmr-240-uf-lmr-240-fr-rg8x-connector-ez-240-nmh-ra-x-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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	5/8/2023	KDANG	AGANWANI

<p>Fairview Microwave an INFINITE brand</p> <p>Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678</p>		<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SHEET</p> <p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>
<p>DESCRIPTION: N-Male (plug) crimp right angle (non-solder pin) hex/knur nut, no braid trim</p>		<p>ITEM NO. EZ-240-NMH-RA-X</p>
SIZE: A	CAGE CODE: 3FKR5	REV: A
DRAWN BY: KDANG		