

## N Male Right Angle Connector Clamp/Solder Attachment For FM-SR250ALTN, RG401

RA type N male connector with clamp/solder attachment for FM-SR250ALTN and RG401, part number FMCN1915, from Fairview Microwave is in-stock and ships same day. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA type N male connector FMCN1915 datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

### Mechanical Specifications

<b>Size</b>	
Length	1.29 in [32.77 mm]
Width/Dia.	0.8 in [20.32 mm]
Height	1.96 in [49.78 mm]
Weight	0.22 lbs [99.79 g]

### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30μ in. minimum
Insulation	Teflon	
Body	Brass	Nickel 100μ in. minimum
Coupling Nut	Brass	Nickel 100μ in. minimum

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

### Plotted and Other Data

Notes:



### Configuration:

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- FM-SR250ALTN, RG401 Inter-face Type
- Clamp/Solder Attachment

### Features:

- Gold Plated Brass Contact
- 30μ in. minimum contact plating

### Applications:

- General Purpose Test
- Custom Cable Assemblies

Fairview Microwave  
301 Leora Ln., Suite 100  
Lewisville, TX 75056  
Tel: 1-800-715-4396 / (972) 649-6678  
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[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

N Male Right Angle Connector Clamp/Solder Attachment For FM-SR250ALTN, RG401 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.

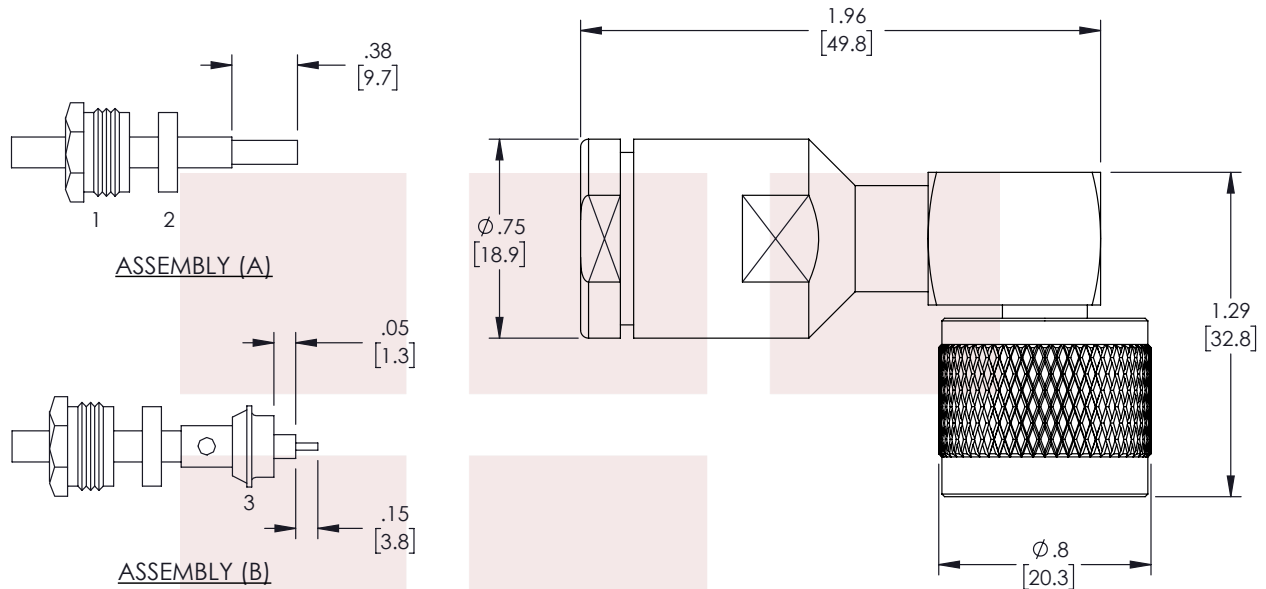
For additional information on this product, please click the following link: [N Male Right Angle Connector Clamp/Solder Attachment For FM-SR250ALTN, RG401 FMCN1915](#)

URL: <https://www.fairviewmicrowave.com/n-male-standard-pe-sr401al-pe-sr401fl-rg401-connector-fmcn1915-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	06/07/22	AGANWANI



#### ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1) & GASKET (2) OVER CABLE.  
STRIP CABLE AS SHOWN IN ASSEMBLY (A).  
DO NOT CUT DIELECTRIC.
2. SLIDE ADAPTER (3) OVER CABLE UNTIL ADAPTER (3)  
BOTTOMS ON OUTER CONDUCTOR. SOLDER ADAPTER (3)  
TO OUTER CONDUCTOR USING MINIMUM HEAT.
3. STRIP CABLE AS SHOWN IN ASSEMBLY (B).  
SOLDER CONTACT TO CENTER CONDUCTOR.  
SLIDE ASSEMBLY FORWARD & TIGHTEN TO BODY.

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ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

TITLE

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Attachment For FM-SR250ALTN, RG401

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

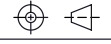
TOLERANCES:

.X = ±.2 [5.08] FRACTIONS  
.XX = ±.02 [.51] ± 1/32  
XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0  
12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0  
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY VTHANGARAJ	ITEM NO. FMCN1915	REV A
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T-Rev.D

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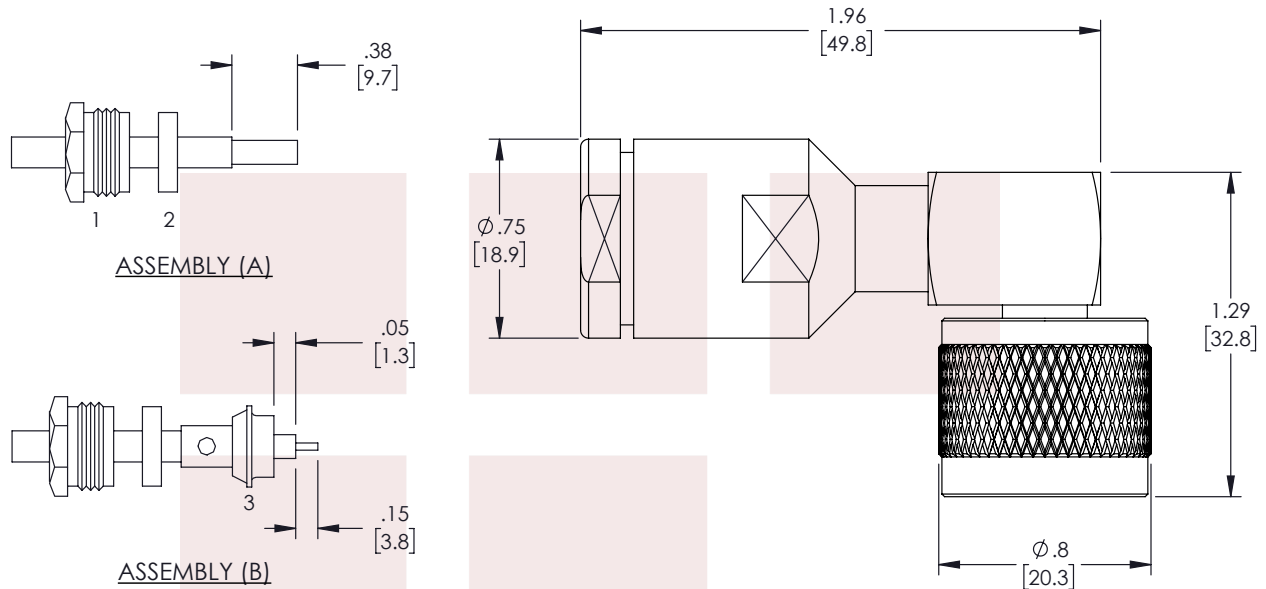
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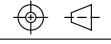
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SHEET 1 OF 1

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY VTHANGARAJ	ITEM NO. FMCN1915	REV A
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T-Rev.D

## RG401 Type .250 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Straight Sections

.250 diameter semi-rigid coaxial cable is the cable of choice for many RF and Microwave engineers. 0.250 cables sometimes referred to as RG401 based on the mil specification for semi-rigid cable of this diameter has a maximum operating frequency of 20 GHz. This form factor is widely used in the RF industry and many connector series and configurations are available for this cable. Because of the solid copper wall design the cable can be formed using proper tooling with a minimum inside bend radius of .375 inches.

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		20	GHz
Impedance		50		Ohms
DWV (AC)			7,500	Vrms

### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10	20			GHz
Attenuation, Typ	7.5 24.61	33 108.27	48 157.48			dB/100ft dB/100m
Power In (CW), Max	1,400	350	200			Watts

### Mechanical Specifications

Min. Bend Radius (Installation) 0.375 in [9.53 mm]

### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver	0.064 in [1.63 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.209 in [5.31 mm]
Outer Conductor	Copper, Bare	0.25 in [6.35 mm]
Jacket	Tan	

### Environmental Specifications

#### Temperature

Operating Range -55 to +125 deg C

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

### Plotted and Other Data

Notes:

### Configuration:

- Semi-Rigid Cable
- 0 Shield(s)

### Features:

- Silver Plated Copper Clad Steel center conductor
- PTFE dielectric material
- Aluminum Tinned Outer Conductor
- Operating to 20 GHz
- Minimum inside bend radius of .375 inches
- ROHS compliant

### Applications:

- RF and Microwave Cable Assemblies to 20 GHz
- Preformed cable assemblies to insure fit and layout
- Test Equipment port jumpers

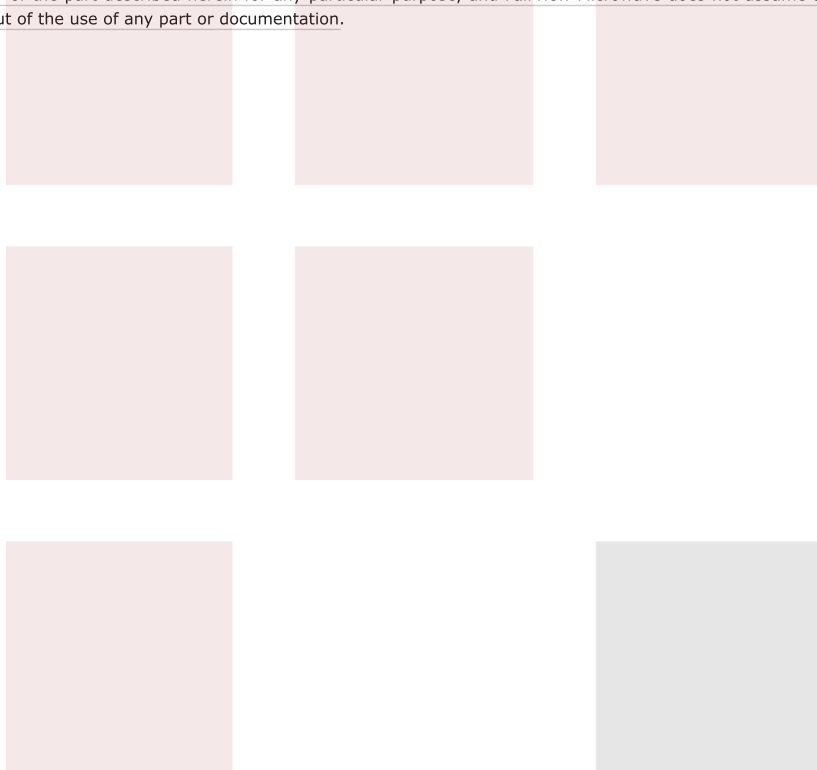
Fairview Microwave  
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[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

RG401 Type .250 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Straight Sections from Fairview Microwave 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.

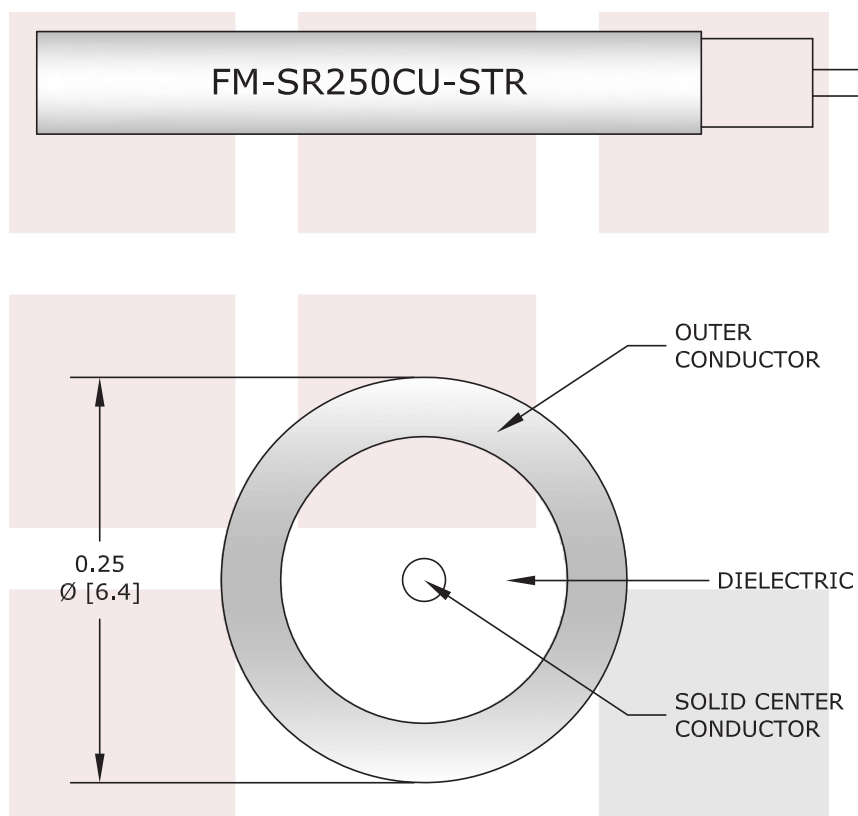
Click the following link to obtain additional part information: [RG401 Type .250 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Straight Sections FM-SR250CU-STR](#)

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TITLE RG401 Type .250 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Straight Sections	DWG NO		CAGE CODE		
	FM-SR250CU-STR		3FKR5		
	CAD FILE	012716	SHEET	SCALE	N/A
				SIZE	A
					2233