

## N Male Connector Solder Attachment For RG402, RG402 Tinned, .141 SR Cable Cable

Type N male low PIM connector with solder/solder attachment for RG402, RG402 Tinned and .141 SR Cable, part number FMCN1241, from Fairview Microwave is in-stock and ships same day. This type N male connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.2:1. The type N male connector also has low passive intermodulation (PIM) of -160 dBc.

Fairview's type N male connector FMCN1241 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.

### Electrical Specifications

| Description                          | Min | Typ | Max   | Units |
|--------------------------------------|-----|-----|-------|-------|
| Frequency Range                      | DC  |     | 6     | GHz   |
| VSWR                                 |     |     | 1.2:1 |       |
| Passive Intermodulation at 1,800 MHz |     |     | -160  | dBc   |

### Performance by Frequency

| Description     | F1      | F2     | F3 | F4 | F5 | Units |
|-----------------|---------|--------|----|----|----|-------|
| Frequency Range | DC to 3 | 3 to 6 |    |    |    | GHz   |
| VSWR, Max       | 1.15:1  | 1.2:1  |    |    |    |       |

### Mechanical Specifications

|            |                    |
|------------|--------------------|
| Size       |                    |
| Length     | 0.96 in [24.38 mm] |
| Width/Dia. | 0.75 in [19.05 mm] |
| Weight     | 0.06 lbs [27.22 g] |

### Material Specifications

| Description | Material | Plating |
|-------------|----------|---------|
| Contact     | Brass    | Silver  |
| Insulation  | PTFE     |         |
| Body        | Brass    | Silver  |



### Configuration:

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- RG402, RG402 Tinned, .141 SR Cable Interface Type
- Solder/Solder Attachment
- 3/4 inch Hex

### Features:

- Operating Frequency of 6 GHz Max.
- Excellent VSWR of 1.2:1
- PIM levels better than -160 dBc
- Silver Plated Brass Contact

### Applications:

- General Purpose Test
- Custom Cable Assemblies

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## Environmental Specifications

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

## Plotted and Other Data

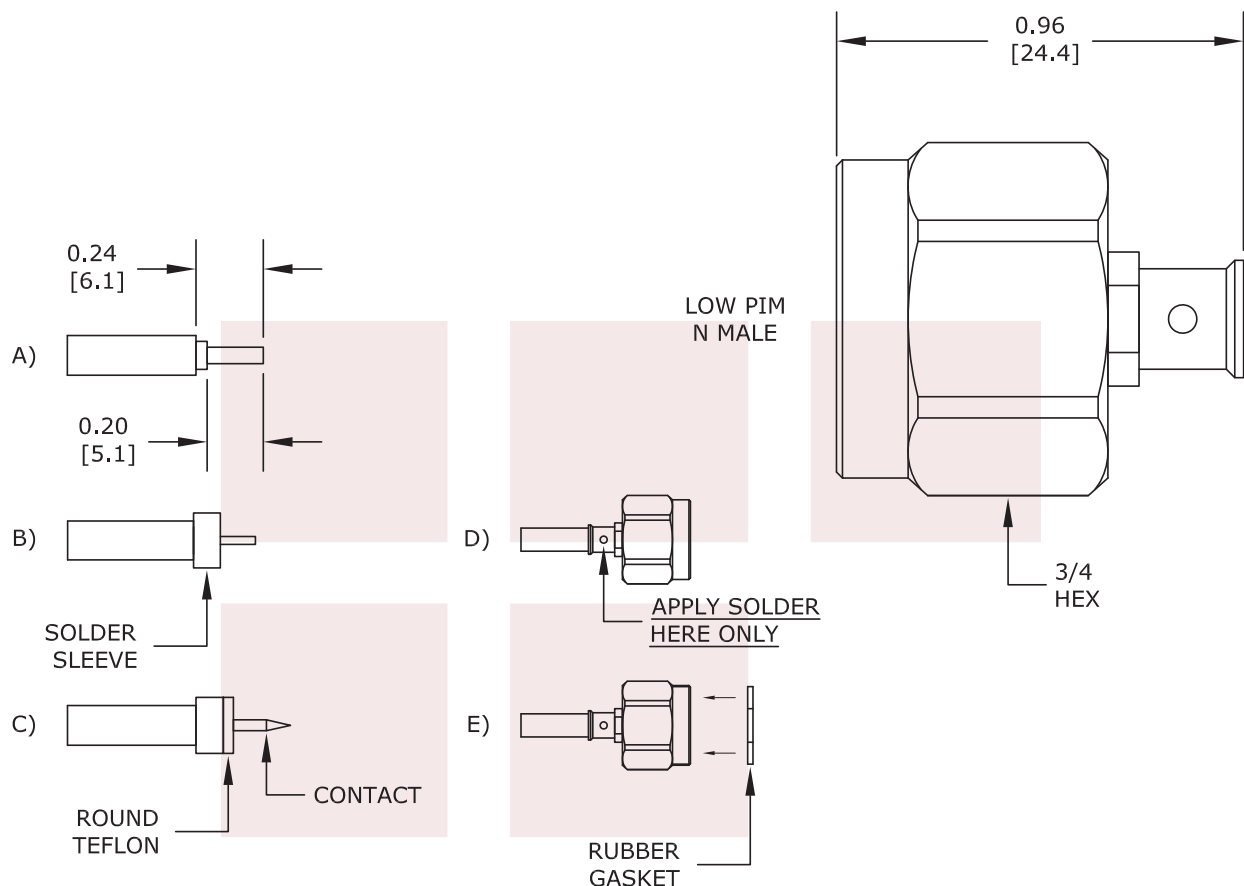
Notes:

N Male Connector Solder Attachment For RG402, RG402 Tinned, .141 SR Cable 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 Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [N Male Connector Solder Attachment For RG402, RG402 Tinned, .141 SR Cable Cable FMCN1241](#)

URL: <https://www.fairviewmicrowave.com/n-male-rg402-rg402-tinned-.141-sr-cable-connector-fmcn1241-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.



#### ASSEMBLY PROCEDURES

1. STRIP CABLE TO DIMENSIONS SHOWN IN (A)
2. INSERT SOLDER SLEEVE ONTO CABLE AND SOLDER ONTO CABLE AS SHOWN IN (B). (NOTE: MAKE SURE TEFLON IS EVEN WITH SLEEVE. CUT OFF ANY EXCESS TEFLON AFTER COOLED DOWN)
3. SLIDE TEFLON SPACER AND CONTACT ONTO CENTER CONDUCTOR UNTIL CONTACT SITS ON SPACER. SOLDER CONTACT ONTO CENTER CONDUCTOR AS SHOWN IN (C).
4. SLIDE BODY ONTO SOLDER SLEEVE, TEFLON, CONTACT AND SOLDER UNTIL HOLE IS FILLED AS SHOWN IN (D). (NOTE: APPLY SOLDER THROUGH SOLDER HOLE ONLY)
5. INSERT (E) RUBBER GASKET INTO CONNECTOR AS SHOWN IN (E)

#### STANDARD TOLERANCES

.X ±0.2  
.XX ±0.1  
.XXX ±0.05

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

|                                                                                                                                                                                     |        |          |       |           |             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|-------|-----------|-------------|
| <b>FAIRVIEW MICROWAVE INC.</b><br>ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM                                                                                                         |        |          |       |           |             |
| NOTES:<br>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.<br>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.<br>3. DIMENSIONS ARE IN INCHES [mm]. |        |          |       |           |             |
| TITLE                                                                                                                                                                               |        | DWG NO   |       | CAGE CODE |             |
| N Male Connector Solder Attachment For RG402, RG402 Tinned, .141 SR Cable Cable                                                                                                     |        | FMCN1241 |       | 3FKR5     |             |
| CAD FILE                                                                                                                                                                            | 121416 | SHEET    | SCALE | N/A       | SIZE A 2233 |