

## 1.0/2.3 Plug Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400

1.0/2.3 plug connector with crimp/solder attachment for RG55, RG142, RG223 and RG400, part number FMCN1815, from Fairview Microwave is in-stock and ships same day. This 1.0/2.3 plug connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.3:1.

Fairview's 1.0/2.3 plug connector FMCN1815 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		4	GHz
VSWR			1.3:1	
Operating Voltage (AC)			250	Vrms
DWV (AC)			750	Vrms

### Mechanical Specifications

<b>Size</b>	
Length	1.12 in [28.45 mm]
Width/Dia.	0.305 in [7.75 mm]
Height	0.256 in [6.5 mm]
Weight	0.013 lbs [5.9 g]

### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum

### Environmental Specifications

#### Temperature

Operating Range -40 to +155 deg C

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

### Plotted and Other Data

Notes:



### Configuration:

- 1.0/2.3 Plug Connector
- 50 Ohms
- Straight Body Geometry
- RG55, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment

### Features:

- Operating Frequency of 4 GHz Max.
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

### Applications:

- General Purpose Test
- Custom Cable Assemblies

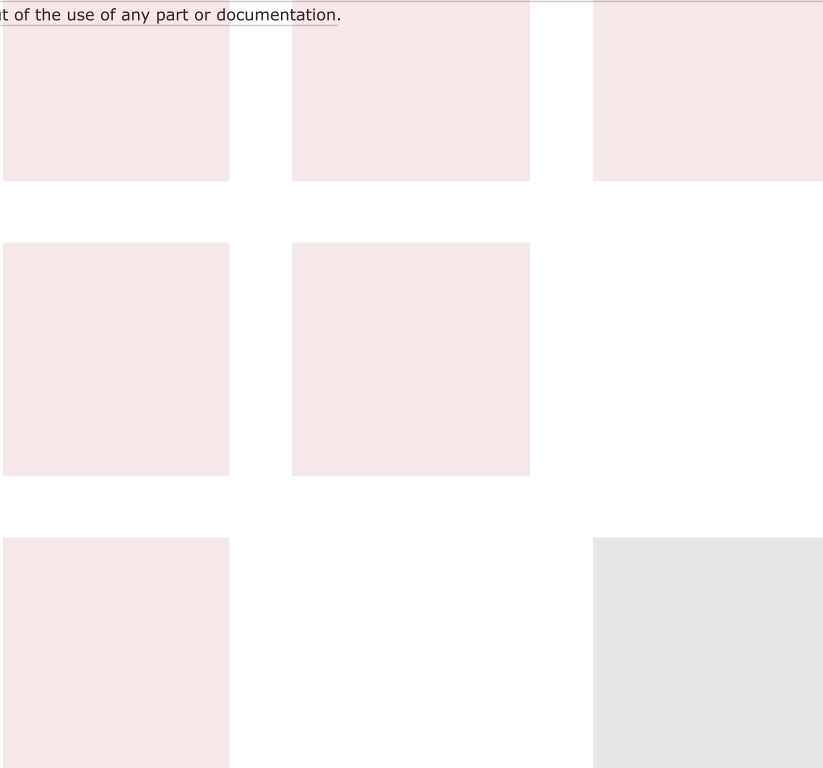
Fairview Microwave  
301 Leora Ln., Suite 100  
Lewisville, TX 75056  
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[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

1.0/2.3 Plug Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 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.

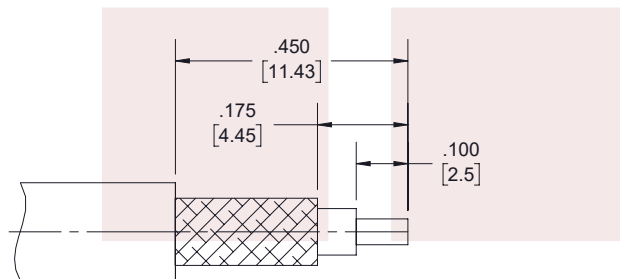
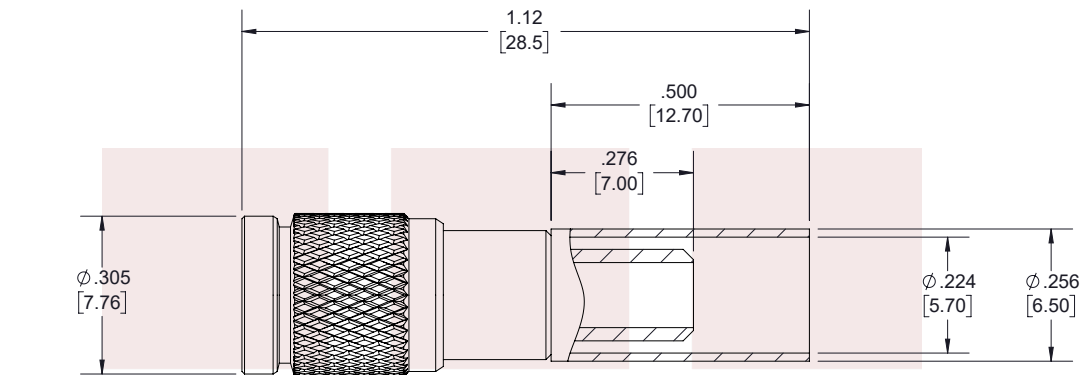
For additional information on this product, please click the following link: [1.0/2.3 Plug Connector Crimp/Solder Attachment For RG55, RG142, RG223, RG400 FMCN1815](#)

URL: <https://www.fairviewmicrowave.com/1.0-2.3-plug-rg55-rg142-rg223-rg400-connector-fmcn1815-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/11/2022	A.GANWANI



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER.  
RERRULE: .213" [5.41] HEX CRIMP TOOL.

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TITLE

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DIMENSIONS IN [ ] ARE MILLIMETERS

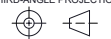
TOLERANCES:

.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

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SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	K.GLEBOVA	FMCN1815	A

T-Rev.D

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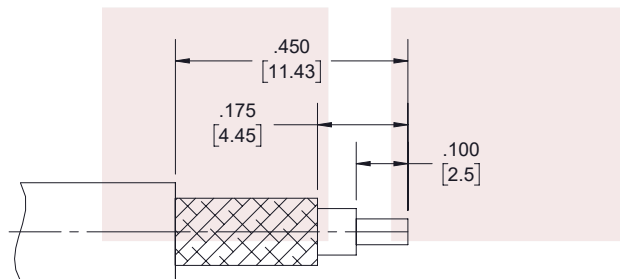
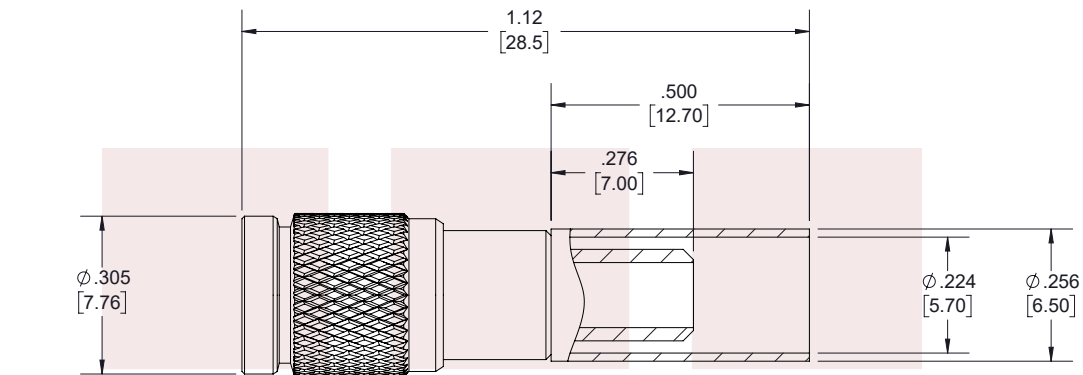
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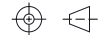
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