

TNC Female (Jack) Connector Solder Attachment for
LMR-400, LMR-400-DB, LMR-400-FR, LMR-400-LLPX,
LMR-400-UF, LMR-400-UF-FR, LMR-LW400 Cable



FMCN5300

Configuration

- TNC Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-400, LMR-400-DB, LMR-400-FR, LMR-400-LLPX, LMR-400-UF, LMR-400-UF-FR, LMR-LW400, TCOM-400, TCOM-400-FR

Features

- Operating Frequency of 6 GHz Max.
- Excellent VSWR of 1.2:1
- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

TNC Female Standard Connector Solder Attachment for LMR-400, LMR-400-DB, LMR-400-FR, LMR-400-LLPX, LMR-400-UF, LMR-400-UF-FR, LMR-LW400, TCOM-400 and TCOM-400-FR Cable, part number FMCN5300, from Fairview Microwave is in-stock and ships same day. This TNC female connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.2:1.

Fairview's TNC female connector FMCN5300 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.2:1	
Insertion Loss			0.2	dB
Operating Voltage (DC)			500	Vdc
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Dielectric Withstanding Voltage (DC)			1,500	Vdc
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.11 in [28.19 mm]
Width	0.56 in [14.22 mm]
Height	0.56 in [14.22 mm]
Weight	0.5 lbs [226.8 g]
Mating Cycles	500 Cycles
Engagement Force	15lbs [6.8kg]

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FMCN5300

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Nickel
Crimp Sleeve	Brass	Nickel

Environmental Specifications

Temperature

Operating Range

-55 to +85 deg C

Humidity

MIL-Std. 202 Method 106

Vibration

MIL-Std. 202 Method 204 (Test Condition D)

Altitude

MIL-Std. 202 Method 105 (Test Condition C)

Temperature Cycle

MIL-Std. 202 Method 102 (Test Condition D)

Salt Spray

MIL-Std. 202 Method 101 (Test Condition B)

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

Plotted and Other Data

Notes:

TNC Female (Jack) Connector Solder Attachment for LMR-400, LMR-400-DB, LMR-400-FR, LMR-400-LLPX, LMR-400-UF, LMR-400-UF-FR, LMR-LW400 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: [TNC Female \(Jack\) Connector Solder Attachment for LMR-400, LMR-400-DB, LMR-400-FR, LMR-400-LLPX, LMR-400-UF, LMR-400-UF-FR, LMR-LW400 Cable FMCN5300](#)

URL: <https://www.fairviewmicrowave.com/tnc-female-lmr-400-lmr-400-db-lmr-400-fr-lmr-400-llpx-lmr-400-uf-lmr-400-uf-fr-lmr-lw400-tcom-400-tcom-400-fr-connector-fmcn5300-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

FMCN5300 CAD Drawing

TNC Female (Jack) Connector Solder Attachment for LMR-400, LMR-400-DB, LMR-400-FR, LMR-400-LLPX, LMR-400-UF, LMR-400-UF-FR, LMR-LW400 Cable

