

7/16 DIN Male Low PIM Connector Clamp/Solder Attachment for TCOM-600, TCOM-600-FR, LMR-600, LMR-600-DB, LMR-600-FR, LMR-600-UF



TCP-600-716MC-LP

Configuration

- 7/16 DIN Male Connector
- IEC-61169-4
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: TCOM-600, TCOM-600-FR, LMR-600, LMR-600-DB, LMR-600-FR, LMR-600-UF, LMR-LW600
- Low PIM Design

Features

- Operating Frequency of 6 GHz Max.
- Good VSWR of 1.3:1
- PIM levels better than -160 dBc
- Silver Plated Brass Contact
- 200 µin minimum contact plating

Applications

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications

Description

7/16 DIN Male Low PIM Connector Clamp/Solder Attachment for TCOM-600, TCOM-600-FR, LMR-600, LMR-600-DB, LMR-600-FR, LMR-600-UF and LMR-LW600 Cable, part number TCP-600-716MC-LP, from Fairview Microwave is in-stock and ships same day. This 7/16 DIN male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1. The 7/16 DIN male connector also has low passive intermodulation (PIM) of -160 dBc.

Fairview's 7/16 DIN male connector TCP-600-716MC-LP 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			1.3:1	
Insertion Loss			0.245	dB
Passive Intermodulation			-160	dBc
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.783 in [45.29 mm]
Width	1.26 in [32 mm]
Height	1.26 in [32 mm]
Weight	0.2 lbs [90.72 g]
Mating Cycles	500 Cycles
Mating Torque	44.25 in-lbs [[5.00 Nm]]

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Material Specifications

Description	Material	Plating
Contact	Brass	Silver 200 µin minimum
Insulation	PTFE	
Body	Brass	Tri-Metal 80 µin minimum
Retaining Ring	Brass	Silver 200 µin minimum
Gasket	Silicone	
Crimp Sleeve	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range

-40 to +125 deg C

Shock

MIL-STD-202G, Meth.213, Con.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:

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Assembly Instruction

[illegible]

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For additional information on this product, please click the following link: [7/16 DIN Male Low PIM Connector Clamp/Solder Attachment for TCOM-600, TCOM-600-FR, LMR-600, LMR-600-DB, LMR-600-FR, LMR-600-UF TCP-600-716MC-LP](#)

URL: <https://www.fairviewmicrowave.com/7-16-din-male-tcom-600-tcom-600-fr-lmr-600-lmr-600-db-lmr-600-fr-lmr-600-uf-lmr-lw600-connector-tcp-600-716mc-lp-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.

TCP-600-716MC-LP CAD Drawing

7/16 DIN Male Low PIM Connector Clamp/Solder Attachment for TCOM-600, TCOM-600-FR, LMR-600, LMR-600-DB, LMR-600-FR, LMR-600-UF

