

7/16 DIN Female Low PIM Connector Solder Attachment
for SPP-250-LLPL, SPO-250, SPF-250



TC-250-716F-LP-LC

Configuration

- 7/16 DIN Female Connector
- 50 Ohms
- Straight Body Geometry
- SPP-250-LLPL, SPF-250, SPO-250 Interface Type
- Solder/Solder Attachment
- Low PIM Design

Features

- Operating Frequency up to 6 GHz
- VSWR Rating of 1.3:1
- PIM levels better than -160 dBc
- Phosphor Bronze Contact with 196 µin Silver Plating

Applications

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications
- Distributed Antenna Systems (DAS)

Description

L-com's 7/16 DIN Female Low PIM Connector Solder Attachment for SPP-250-LLPL, SPO-250, SPF-250 uses a solder/solder attachment method. This 7/16 DIN connector is one of the many RF coaxial connectors available in L-com's product line and like all our products, ships the same day of purchase. Our 7/16 DIN Female connector operates up to a maximum frequency of 6 GHz.

The specifications and a basic dimensional drawing for TC-250-716F-LP-LC 7/16 DIN Female can be found in this datasheet PDF. L-com's portfolio of RF and microwave connectors allows users to choose from a large number of options when building connectorized cable assemblies to fit their RF interconnect needs. RF cables can be created to fulfill many interconnect applications ranging from In the Box hookup, to connectivity with test equipment or as part of a system installation. In addition to our offering of RF connectors and coaxial cable, L-com also offers both standard and custom cable assemblies to fit your specific needs.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------------|---------|---------|---------|-------|
| Frequency Range | DC | | 6 | GHz |
| VSWR | | | 1.3:1 | |
| Insertion Loss | | | 0.25 | dB |
| Passive Intermodulation | | | -160 | dBc |
| Operating Voltage (DC) | | | 1,500 | Vdc |
| Inner Conductor DC Resistance | | | 0.4 | mOhms |
| Outer Conductor DC Resistance | | | 1.5 | mOhms |
| Insulation Resistance | 5,000 | | | MOhms |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[7/16 DIN Female Low PIM Connector Solder Attachment for SPP-250-LLPL, SPO-250, SPF-250 TC-250-716F-LP-LC](#)

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Mechanical Specifications

Size

| | | |
|---------------|--------------|-----------|
| Length | 1.42in | [36.07mm] |
| Width/Dia. | 1.14in | [28.96mm] |
| Height | 1.14in | [28.96mm] |
| Mating Torque | 265.52in-lbs | [30.00Nm] |

Material Specifications

| Description | Material | Plating |
|-----------------|-----------------|----------------------|
| Contact | Phosphor Bronze | Silver 196 µin |
| Insulation | PTFE | |
| Outer Conductor | Brass | Tri-Metal 118 µin |
| Body | Brass | Tri-Metal 118 µin |
| Gasket | Silicone Rubber | |

Environmental Specifications

Temperature

| | |
|-----------------|---------------------------------------|
| Operating Range | -55°C to +155°C |
| Shock | MIL-STD 202G, Method 213, Condition I |
| Vibration | MIL-STD 202G, Method 204, Condition B |
| Thermal Shock | MIL-STD 202G, Method 107, Condition B |

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

Plotted and Other Data

7/16 DIN Female Low PIM Connector Solder Attachment for SPP-250-LLPL, SPO-250, SPF-250 from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components. Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 7/16 DIN Female Low PIM Connector Solder Attachment for SPP-250-LLPL, SPO-250, SPF-250 TC-250-716F-LP-LC

URL: <https://www.l-com.com/7-16-din-female-low-pim-connector-solder-attachment-spp-250-llpl-spo-250-spf-250-tc-250-716f-lp-lc-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. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document. 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. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

L-com CAD Drawing

