

## 75 Ohm F Female to 75 Ohm F Female Bulkhead Mount Adapter



### LCAD9805

#### Configuration

- F Female Connector 1
- F Female Connector 2
- 75 Ohm
- Straight Body Geometry
- Bulkhead Mount Method

#### Features

- Max VSWR of 1.3:1 up to 250 MHz
- Gold Plated Brass Contact

#### Applications

- General Purpose Test
- Rack Mounted Equipment
- CATV

#### Description

L-com's LCAD9805 75 ohm type F female to type F female bulkhead adapter is part of our full line of RF components available for same-day shipping. Our type F to type F adapter has a female to female gender configuration. LCAD9805 type F female to type F female adapter operates to 250 MHz. The L-com RF adapter provides good VSWR of 1.3:1 maximum. This RF type F to type F bulkhead adapter allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. L-com's LCAD9805 75 ohm type F female to type F female bulkhead adapter is part of our full line of RF components available for same-day shipping. LCAD9805 type F female to type F female adapter operates to 250 MHz. The L-com RF adapter provides good VSWR of 1.3:1 maximum. This RF type F to type F bulkhead adapter allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. L-com also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

#### Electrical Specifications

| Description            | Minimum | Typical | Maximum | Units |
|------------------------|---------|---------|---------|-------|
| Frequency Range        | DC      |         | 250     | MHz   |
| Impedance              |         | 75 Ohm  |         |       |
| VSWR                   |         |         | 1.3:1   |       |
| Operating Voltage (AC) |         |         | 500     | Vrms  |

#### Mechanical Specifications

##### Size

|        |                    |
|--------|--------------------|
| Length | 0.93 in [23.50 mm] |
| Width  | 0.43 in [11.00 mm] |
| Weight | 0.02 lbs [10.89 g] |

| Description | Connector 1 | Connector 2 |
|-------------|-------------|-------------|
| Type        | F Female    | F Female    |

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| Description | Connector 1 | Connector 2 |
|-------------|-------------|-------------|
| Polarity    | Standard    | Standard    |

### Material Specifications

| Description     | Connector 1 |                           | Connector 2 |                           |
|-----------------|-------------|---------------------------|-------------|---------------------------|
|                 | Material    | Plating                   | Material    | Plating                   |
| Type            | F Female    |                           | F Female    |                           |
| Contact         | Brass       | Gold                      | Brass       | Gold                      |
| Insulation      | PTFE        |                           | PTFE        |                           |
| Outer Conductor | Brass       | Nickel<br>100 µin minimum | Brass       | Nickel<br>100 µin minimum |

### Environmental Specifications

#### Temperature

Operating Range -40 to +60 °C

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

### Plotted and Other Data

75 Ohm F Female to 75 Ohm F Female Bulkhead Mount Adapter 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.

URL: <https://www.l-com.com/f-female-f-female-straight-adapter-lcad9805-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.

LCAD9805 CAD Drawing

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