

SMA Female to RP-SMA Female Adapter



LCAD91260

Configuration

- SMA Female Connector 1
- SMA Female Reverse Polarity Connector 2
- Impedance 50 Ohm
- Straight Body Geometry

Description

The L-com LCAD91260 Standard adapter has a straight body geometry and is suitable for general-purpose test applications. This RF adapter has an SMA Female to SMA Female connector and a PTFE dielectric, which makes it resistant to lubricants and fuels. The Female coaxial adapter has a Beryllium Copper contact and a maximum operating AC voltage of 335 Vrms.

This Standard adapter has an SMA interface compliant with MIL-STD-348 that brings interoperability of coaxial connectors, as well as a basis for the Hi-Rel design and construction of these components. This L-com 335 Vrms connector RF adapter can operate at a temperature range of -65 to 165 deg C and has high repeatability.

The LCAD91260 coaxial adapter has a maximum frequency range of 18 GHz and is most used for Testing, Measurement, Satcom, Military, and Defense industries. This RF adapter has Gold over Nickel plating and is designed to enable connections in RF and microwave systems between two of the same or different connector types. The L-com SMA adapter is constructed with a Passivated Stainless Steel body and has no plating.

The SMA Female adapter is one of the thousands of RF products available from L-com in-stock inventory with same-day shipment for domestic and international orders. Make your online purchase right now for a high-quality 18 GHz coaxial adapter and take advantage of our same-day shipping. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the perfect Beryllium Copper RF adapter for your requirement.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range | DC | | 18 | GHz |
| VSWR | | | 1.2:1 | |
| Operating Voltage (AC) | | | 335 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 1,500 | Vrms |
| Insulation Resistance | 5,000 | | | MOhms |

Mechanical Specifications

| Size | | |
|--------|---------|----------|
| Length | 0.592in | 15.04mm] |

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| | | |
|--------|-----------|----------|
| Width | 0.312in | [7.92mm] |
| Height | 0.312in | [7.92mm] |
| Weight | 0.0082lbs | [3.72g] |

| Description | Connector 1 | Connector 2 |
|----------------------------|-------------|------------------|
| Type | SMA Female | SMA Female |
| Polarity | Standard | Reverse Polarity |
| Interface Specification | MIL-STD-348 | |
| Contact Captivation Method | Epoxy | Epoxy |
| Hex Size | | 5/16 Inch |

Material Specifications

| Description | Connector 1 | | Connector 2 | |
|-----------------|----------------------------|---------------------------------|-----------------------------|---------------------------------|
| | Material | Plating | Material | Plating |
| Type | SMA Female | | SMA Female Reverse Polarity | |
| Contact | Beryllium Copper | Gold over Nickel MIL-G-45204 | Beryllium Copper | Gold over Nickel MIL-G-45204 |
| Insulation | PTFE | | PTFE | |
| Outer Conductor | Passivated Stainless Steel | QQ-P-35 | Passivated Stainless Steel | QQ-P-35 |
| Body | Passivated Stainless Steel | QQ-P-35 | Passivated Stainless Steel | QQ-P-35 |
| Gasket | Silicone | | Silicone | |

Environmental Specifications

Temperature

| | |
|-----------------|-----------------|
| Operating Range | -65°C to +165°C |
|-----------------|-----------------|

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

Plotted and Other Data

SMA Female to RP-SMA Female 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. 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.

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SMA Female to RP-SMA Female Adapter

L-com CAD Drawing

| REVISIONS | | DATE | APPROVED |
|-----------|-----------------|------------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 10/06/2022 | AGANWANI |

Technical drawing of the SMA Female to RP-SMA Female Adapter. The drawing shows a side view of the adapter with the following dimensions and labels:

- Overall length: $.59$ [15.0]
- Length of SMA female section: $.25$ [6.3]
- Length of hex section: $.09$ [2.4]
- Length of RP-SMA female section: $.25$ [6.3]
- Labels: SMA FEMALE, 1/4-36 UNS-2A TYP, EPOXY CAPTIVATED, 5/16 HEX, REVERSE POLARITY SMA FEMALE.

Third-angle projection of the SMA Female to RP-SMA Female Adapter.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

| | | |
|---------------------|------------------|-------------|
| X = ±.2 [5.08] | FRACTIONS ± 1/32 | ANGLES ± 1° |
| XX = ±.02 [.51] | | |
| XXX = ±.005 [.13] | | |

CABLE LENGTH (L) TOLERANCES:

| | | |
|--|------------------------------|--------------------------------|
| L ≤ 12 [305] = +1 [25] / -0 | L ≤ 60 [1524] = +2 [51] / -0 | L ≤ 120 [3048] = +4 [102] / -0 |
| 60 [1524] < L ≤ 300 [7620] = +6 [152] / -0 | 300 [7620] < L = +5% / -0 | |

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1
SCALE N/A

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|------|-----------|-----------|-----|
| SIZE | DRAWN BY | ITEM NO. | REV |
| A | KGGLEBOVA | LCAD91260 | A |