



ADP-2.92M-2.92M

2.92 mm Plug to 2.92 Plug Adapter

The ADP-2.92M-2.92M is a 2.92 mm plug to 2.92 mm plug adapter. Operating from 0 Hz to 40 GHz, the ADP-2.92M-2.92M combines superior performance, compact size, and a convenient threaded mating interface to provide a reliable, easy-to-use adapter. Linx 2.92 mm adapters are ideal for precision applications. Additionally, all Linx adapters meet RoHS lead free standards and are tested to meet requirements for corrosion resistance, vibration, mechanical and thermal shock.

FEATURES

- 0 Hz to 40 GHz operation
- Passivated stainless steel body
 - Superior corrosion resistance
- 2.92 mm plug (male pin) connection
 - Gold plated beryllium copper center contact

APPLICATIONS

- Radar, Satellite Communications, Experimental
- Industrial, Commercial, Enterprise
- Test and measurement

TABLE 1. ELECTRICAL SPECIFICATIONS

| Parameter | Value |
|--------------------------|--|
| Impedance | 50 Ω |
| Frequency Range | 0 to 40 GHz |
| Contact Resistance | Center: ≤ 6.0 m Ω Outer: ≤ 2.0 m Ω |
| Insertion Loss (dB max.) | 1.0 |
| VSWR (max.) | 1.3 |

ORDERING INFORMATION

| Part Number | Description |
|-----------------|--|
| ADP-2.92M-2.92M | 2.92 mm plug (male pin) to 2.92 mm plug (male pin) adapter |

Available from Linx Technologies and select distributors and representatives.

PRODUCT DIMENSIONS

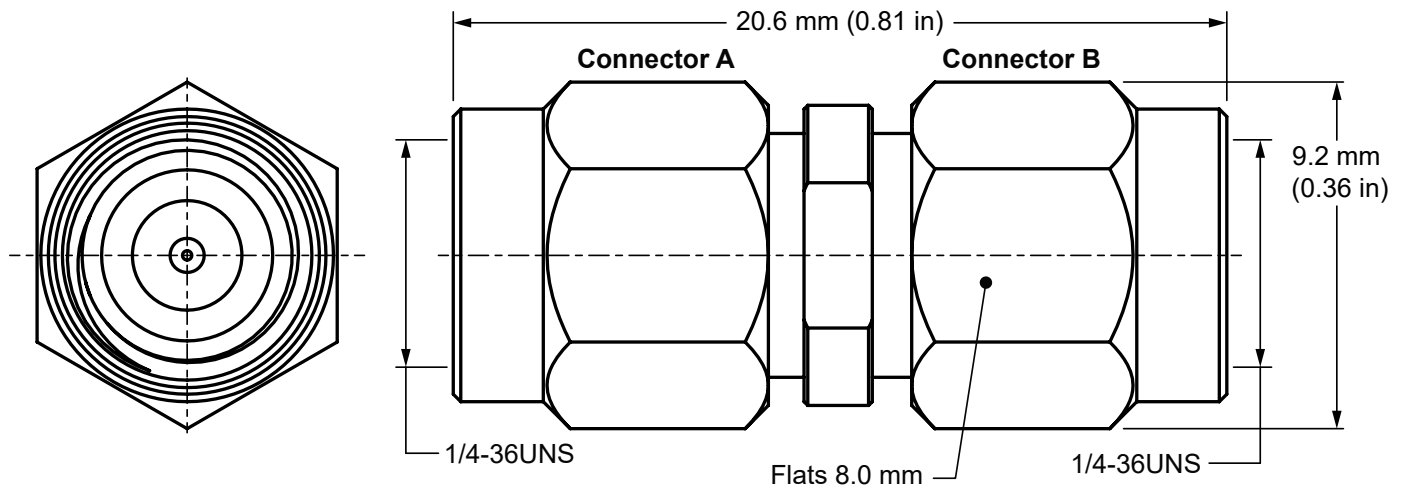


Figure 1: Product Dimensions for the ADP-2.92M-2.92M Adapter

TABLE 2. ADAPTER COMPONENTS

| ADP-2.92M-2.92M | Connector A 2.92 mm plug (male pin) | | Connector B 2.92 mm plug (male pin) | |
|-----------------|--|-------------|--|-------------|
| | Material | Finish | Material | Finish |
| Connector Part | | | | |
| Body | Stainless Steel | Passivated* | Stainless Steel | Passivated* |
| Center Contact | Beryllium Copper | Gold | Beryllium Copper | Gold |
| Insulator | Air | - | Air | - |

*Use of stainless steel tools may damage passivated finish.

ADAPTER PERFORMANCE

Table 3 shows insertion loss and VSWR values for the ADP-2.92M-2.92M adapter at commonly used frequencies. Insertion loss is the loss of signal power (gain) resulting from the insertion of a device in a transmission line. VSWR describes how efficiently power is transmitted through the adapter. A lower VSWR value indicates better performance at a given frequency.

TABLE 3. INSERTION LOSS AND VSWR FOR THE ADP-2.92M-2.92M ADAPTER

| Band | Ku | K | Ka |
|--------------------------|------------------|------------------|------------------|
| Frequency Range | 12 GHz to 18 GHz | 18 GHz to 27 GHz | 27 GHz to 40 GHz |
| Insertion Loss (dB max.) | 0.9 | 0.9 | 0.9 |
| VSWR (max.) | 1.1 | 1.3 | 1.3 |