

Precision 2.92mm Male (Plug) to N Male (Plug) Adapter MIL-STD-202, Method 206 with Passivated Stainless Steel Body



**FMAD10028**

**Configuration**

- 2.92mm Male Connector 1
- N Male Connector 2
- 50 Ohms Impedance
- Precision Design
- Straight Body Geometry

**Features**

- VSWR of 1.15:1 max up to 18 GHz
- 2.92mm interface meets MIL-STD-348B
- Type N interface meets MIL-STD-348B
- Gold over Nickel over Copper Plated Beryllium Copper Contact

**Applications**

- Enables Between Series Connections
- General Purpose Test
- Precision Test & Measurement

**Description**

2.92mm male to type N male adapter part number FMAD10028 from Fairview Microwave is in-stock and ships same day. This Fairview 2.92mm to type N adapter has a male to male gender configuration and is built of durable stainless steel in a precision design. FMAD10028 2.92mm male to type N male adapter operates to 18 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.15:1 maximum. The 2.92mm connector mates mechanically with commercially available SMA and 3.5mm connectors.

RF adapters can be used to enable connections between two connector types that would otherwise not mate. Certain RF adapter configurations can also be used to protect connectors on expensive equipment where the number of connect and 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. Fairview Microwave 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      |         | 18      | GHz   |
| Impedance                            |         | 50      |         | Ohms  |
| VSWR                                 |         |         | 1.15:1  |       |
| Insertion Loss                       |         |         | 0.13    | dB    |
| Operating Voltage (AC)               |         |         | 250     | Vrms  |
| Dielectric Withstanding Voltage (AC) |         |         | 750     | Vrms  |
| Insulation Resistance                | 5,000   |         |         | MOhms |

**Mechanical Specifications**

**Size**

- Length 1.28 in [32.51 mm]
- Width 0.75 in [19.00 mm]
- Height 0.75 in [19.00 mm]
- Weight 0.07 lbs [29.48 g]

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| Description                          | Connector 1        | Connector 2                    |
|--------------------------------------|--------------------|--------------------------------|
| Interface Specification              | MIL-STD-348B       | MIL-STD-348B                   |
| Mating Cycles, Min                   | 500                | 500                            |
| Mating Torque                        |                    | 6 to 10 in-lbs 0.68 to 1.13 Nm |
| Contact Captivation Axial Force, Min | 4.9 lbs [2.22 kg]  | 6.3 lbs [2.86 kg]              |
| Coupling Proof Torque                | 15 in-lbs [1.7 Nm] | 15 in-lbs [1.7 Nm]             |

**Material Specifications**

| Description     | Connector 1                |                              | Connector 2                |                              |
|-----------------|----------------------------|------------------------------|----------------------------|------------------------------|
|                 | Material                   | Plating                      | Material                   | Plating                      |
| Type            | 2.92mm Male                |                              | N Male                     |                              |
| Contact         | Beryllium Copper           | Gold over Nickel over Copper | Beryllium Copper           | Gold over Nickel over Copper |
| Outer Conductor | Passivated Stainless Steel |                              | Passivated Stainless Steel |                              |
| Body            | Passivated Stainless Steel |                              | Passivated Stainless Steel |                              |
| Gasket          | Silicone                   |                              | Silicone                   |                              |

**Environmental Specifications**

**Temperature**

|                 |                                      |
|-----------------|--------------------------------------|
| Operating Range | -65 to +165 °C                       |
| Humidity        | MIL-STD-202, Method 206              |
| Thermal Shock   | MIL-STD-202, Method 107, Condition B |
| Salt Spray      | MIL-STD-202, Method 101, Condition B |

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

**Plotted and Other Data**

Precision 2.92mm Male (Plug) to N Male (Plug) Adapter MIL-STD-202, Method 206 with Passivated Stainless Steel Body from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

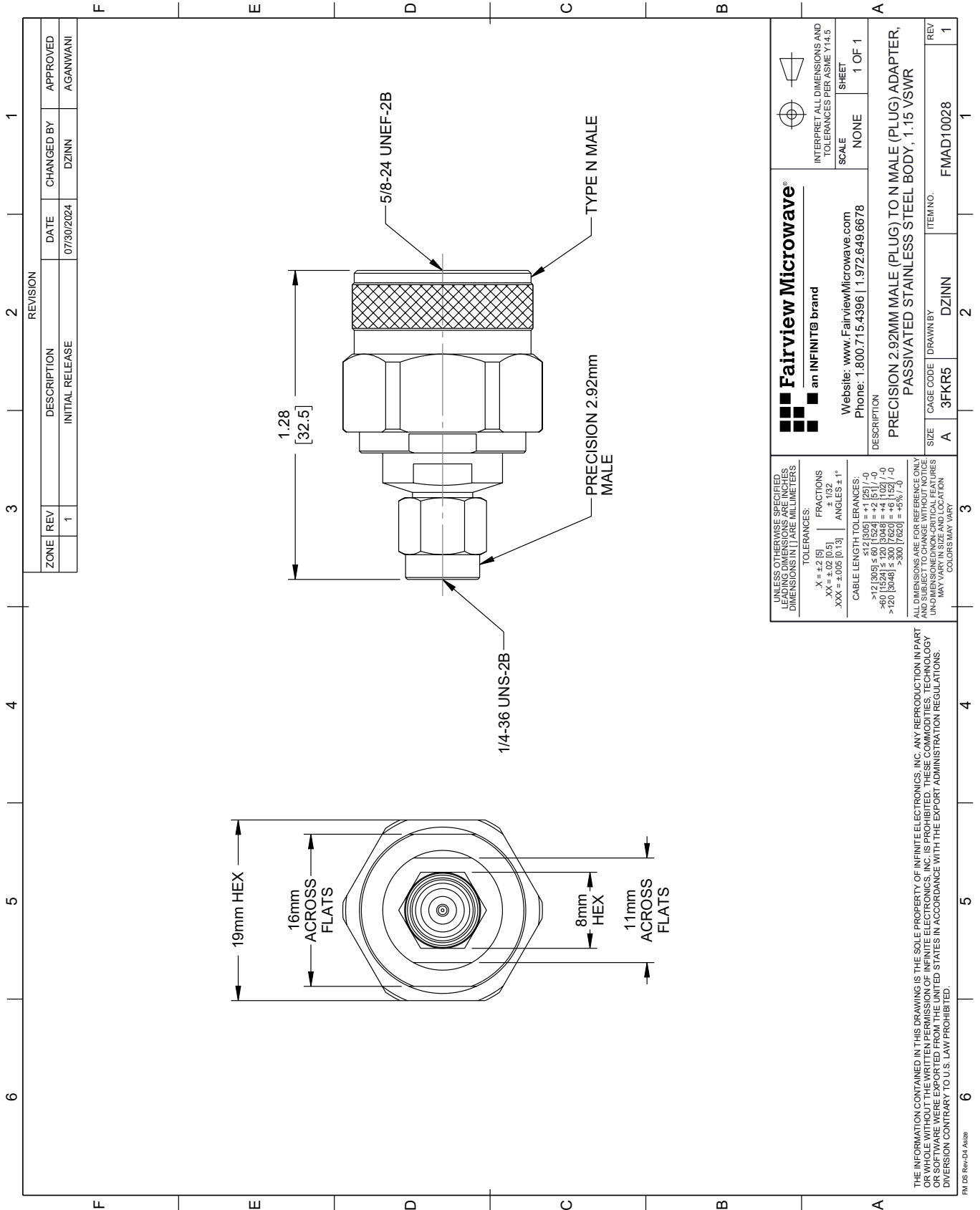
For additional information on this product, please click the following link: [Precision 2.92mm Male \(Plug\) to N Male \(Plug\) Adapter MIL-STD-202, Method 206 with Passivated Stainless Steel Body FMAD10028](#)

URL: <https://www.fairviewmicrowave.com/precision-2.92mm-male-to-n-male-adapter-mil-std-202-method-206-with-passivated-stainless-steel-body-fmad10028-p.aspx>

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# FMAD10028 CAD Drawing

Precision 2.92mm Male (Plug) to N Male (Plug) Adapter MIL-STD-202, Method 206 with Passivated Stainless Steel Body



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