# BNC Male (Plug) to BNC Male (Plug) Adapter MIL-STD-202, Method 206

## FMAD10099

### Configuration

- BNC Male Connector 1
- BNC Male Connector 2
- 50 Ohms Impedance
- Straight Body Geometry

### Features

- VSWR of 1.2:1 max up to 4 GHz
- Gold over Nickel over Copper Plated Brass Contact

### Applications

- General Purpose Test

### Description

BNC male to BNC male adapter part number FMAD10099 from Fairview Microwave is in-stock and ships same day. This Fairview BNC to BNC adapter has a male to male gender configuration. FMAD10099 BNC male to BNC male adapter operates to 4 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 maximum.

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 | | 4 | GHz |
| Impedance | | 50 | | Ohms |
| VSWR | | | 1.2:1 | |
| Insertion Loss | | | 0.12 | dB |
| Operating Voltage (AC) | | | 500 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 1,500 | Vrms |
| Insulation Resistance | 5,000 | | | MOhms |

### Mechanical Specifications

**Size**

| | |
|---|---|
| Length | 1.43 in [36.40 mm] |
| Width | 0.57 in [14.50 mm] |
| Height | 1.43 in [36.40 mm] |
| Weight | 0.50 lbs [226.80 g] |

| Description | Connector 1 | Connector 2 |
|---|---|---|
| Polarity | Standard | Standard |
| Mating Cycles, Min | 500 | 500 |



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| Description | Connector 1 | Connector 2 |
|---|---|---|
| Mating Torque | 0.6 to 2.5 in-lbs 0.07 to 0.28 Nm | 0.6 to 2.5 in-lbs 0.07 to 0.28 Nm |
| Contact Captivation Axial Force, Min | 6.1 lbs [2.77 kg] | 6.1 lbs [2.77 kg] |
| Coupling Retention, Min | 101.2 lbs [45.9 kg] | 101.2 lbs [45.9 kg] |

### Material Specifications

| | Connector 1 | | Connector 2 | |
|---|---|---|---|---|
| Description | Material | Plating | Material | Plating |
| Type | BNC Male | | BNC Male | |
| Contact | Brass | Gold over Nickel over Copper | Brass | Gold over Nickel over Copper |
| Insulation | PTFE | | PTFE | |
| Outer Conductor | Brass | Copper-Tin-Zinc Alloy | Brass | Copper-Tin-Zinc Alloy |
| Body | Brass | Copper-Tin-Zinc Alloy | Brass | Copper-Tin-Zinc Alloy |
| Gasket | Silicone | | Silicone | |
| Washer | Brass | Copper-Tin-Zinc Alloy | Brass | |

### Environmental Specifications

**Temperature**

| | |
|---|---|
| Operating Range | -65 to +165 ºC |
| 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

BNC Male (Plug) to BNC Male (Plug) Adapter MIL-STD-202, Method 206 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: BNC Male (Plug) to BNC Male (Plug) Adapter MIL-STD-202, Method 206 FMAD10099

URL: https://www.fairviewmicrowave.com/product/rf-adapters/bnc-male-to-bnc-male-adapter-mil-std-202-method-206-fmad10099.html

# FMAD10099 CAD Drawing

BNC Male (Plug) to BNC Male (Plug) Adapter MIL-STD-202, Method 206