

Lead Free TRT Threaded Plug to 3-Lug TRB Non-Insulated Bulkhead Jack for FMBC-30-02001, 12 Inch Cable

The 78 ohm TRB 3-Lug jack bulkhead nonisolated to 78 ohm TRT Threaded plug 12 inch cable using 78 ohm FMBC-30-02001 twinax, part number FM3MSA00565-12, from Fairview Microwave is in-stock and ships same day. This Fairview TRB 3-Lug to TRT Threaded cable assembly has a jack to plug gender configuration with 78 ohm flexible FMBC-30-02001 twinax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FM3MSA00565-12 TRB 3-Lug jack to TRT Threaded plug cable assembly operates to 400 MHz. Our RF cable assembly with TRB 3-Lug bulkhead nonisolated interface 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.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

| Description | Min | Typ | Max | Units |
|------------------------|-----|--------------|-------|--------------|
| Frequency Range | DC | | 400 | MHz |
| Capacitance | | 19.7 [64.63] | | pF/ft [pF/m] |
| Operating Voltage (AC) | | | 1,000 | Vrms |

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|------|-------|------|------|-------|
| Frequency | 10 | 50 | 100 | 200 | 400 | MHz |
| Insertion Loss (Typ.) | 0.221 | 0.25 | 0.275 | 0.31 | 0.36 | dB |

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

| | |
|---------|---------------------|
| Length* | 12 in [304.8 mm] |
| Weight | 0.171 lbs [77.56 g] |

Cable

| | |
|--------------------------------------|----------------------|
| Cable Type | FMBC-30-02001 |
| Impedance | 78 Ohms |
| Inner Conductor Type | Stranded |
| Inner Conductor Material and Plating | Copper, Silver |
| Dielectric Type | PE |
| Shield Layer 1 | Silver Plated Copper |
| Jacket Material | PVC, Blue |

| | |
|------------------------------|--------------------|
| One Time Minimum Bend Radius | 2.42 in [61.47 mm] |
|------------------------------|--------------------|



Configuration:

- TRB 3-Lug Jack Bulkhead Non-Insulated
- TRT Threaded Plug
- FMBC-30-02001

Features:

- Max Frequency 400 MHz
- PVC Jacket
- MIL-STD-1553
- -20°C to +75°C
- 78 ohms

Applications:

- General Purpose
- Laboratory Use
- MIL-STD-1553
- Data

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Connectors

| Description | Connector 1 | Connector 2 |
|-------------------------------|------------------------------|-------------------|
| Type | TRB 3-Lug Jack Bayonet | TRT Threaded Plug |
| Mount Method | Bulkhead NonIsolated | |
| Impedance | 78 Ohms | 78 Ohms |
| Contact Material & Plating | Bronze, Gold 30 micro inches | |
| Contact Plating Spec. | ASTM-B-488 | ASTM-B-488 |
| Dielectric Type | Teflon | |
| Outer Cond Material & Plating | Phosphor Bronze, Gold | |
| Outer Cond Plating Spec. | 30 micro inches | 30 micro inches |
| Body Material & Plating | Brass, Nickel | |
| Body Plating Spec. | ASTM-B-733 | |

Environmental Specifications
Temperature

Operating Range -20 to +75 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **FM3MSA00565 - xx uu**

cm = Centimeters
<blank> = Inches
Length

Example: FM3MSA00565-12 = 12 inches long cable
FM3MSA00565-100cm = 100 cm long cable

Lead Free TRT Threaded Plug to 3-Lug TRB Non-Insulated Bulkhead Jack for FMBC-30-02001, 12 Inch Cable from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Lead Free TRT Threaded Plug to 3-Lug TRB Non-Insulated Bulkhead Jack for FMBC-30-02001, 12 Inch Cable FM3MSA00565-12](#)

URL: <https://www.fairviewmicrowave.com/lead-free-1553-trb-jack-bulkhead-to-trb-plug-cable-78-ohm-fm3msa00565-12-p.aspx>

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