

75 Ohm BNC Male Connector Crimp Attachment for LMR-400-75, LMR-400-75-DB, LMR-400-75-FR Cable



TC-400-BM-75-X

Configuration

- BNC Male Connector
- 75 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-400-75, LMR-400-75-DB, LMR-400-75-FR

Features

- Operating Frequency of 2 GHz Max.
- Excellent VSWR of 1.2:1
- Gold over Nickel over Copper Plated Brass Contact
- 50 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies
- CATV

Description

75 Ohm BNC Male Connector Crimp Attachment for LMR-400-75, LMR-400-75-DB and LMR-400-75-FR Cable, part number TC-400-BM-75-X, from Times Microwave offered by Fairview Microwave is in-stock and ships same day. This BNC male connector operates up to a maximum frequency of 2 GHz and offers excellent VSWR of 1.2:1.

Times Microwave's 75 ohm BNC male connector TC-400-BM-75-X datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range | DC | | 2 | GHz |
| VSWR | | | 1.2:1 | |
| Insertion Loss | | | 0.14 | dB |
| Operating Voltage (AC) | | | 500 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 1,000 | Vrms |
| Inner Conductor DC Resistance | | | 3 | mOhms |
| Outer Conductor DC Resistance | | | 2 | mOhms |
| Insulation Resistance | 5,000 | | | MOhms |
| Impedance | | 75 | | Ohms |

Electrical Specification Notes:
Insertion loss is $=0.1 \cdot \sqrt{f(\text{GHz})}$

Mechanical Specifications

Size

| | |
|--------|--------------------|
| Length | 0.56 in [14.22 mm] |
| Width | 0.56 in [14.22 mm] |
| Height | 1.37 in [34.8 mm] |
| Weight | 0.043 lbs [19.5 g] |

75 Ohm BNC Male Connector Crimp Attachment for LMR-400-75, LMR-400-75-DB, LMR-400-75-FR Cable



TC-400-BM-75-X

| | |
|-----------------------|-------------------|
| Mating Cycles | 500 Cycles |
| Cable Retention Force | 60 lbs [27.22 kg] |

Material Specifications

| Description | Material | Plating |
|--------------|----------|--|
| Contact | Brass | Gold over Nickel over Copper 50 µin minimum |
| Insulation | PTFE | |
| Body | Brass | Tri-Metal 80 µin minimum |
| Gasket | Silicone | |
| Crimp Sleeve | Brass | Tri-Metal 80 µin minimum |

Environmental Specifications

| | |
|--------------------|---------------------------------|
| Temperature | |
| Operating Range | -55 to +125 deg C |
| Shock | MIL-STD-202, Method 213, Cond G |
| Vibration | MIL-STD-202, Method 204, Cond B |

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

Plotted and Other Data

Notes:

75 Ohm BNC Male Connector Crimp Attachment for LMR-400-75, LMR-400-75-DB, LMR-400-75-FR Cable 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: [75 Ohm BNC Male Connector Crimp Attachment for LMR-400-75, LMR-400-75-DB, LMR-400-75-FR Cable TC-400-BM-75-X](#)

URL: <https://www.fairviewmicrowave.com/bnc-male-lmr-400-75-lmr-400-75-db-lmr-400-75-fr-connector-tc-400-bm-75-x-p.aspx>

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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

TC-400-BM-75-X CAD Drawing

75 Ohm BNC Male Connector Crimp Attachment for LMR-400-75, LMR-400-75-DB, LMR-400-75-FR Cable

