

75 Ohm F Male Connector Crimp/Non-Solder Contact Attachment for LMR-600-75, LMR-600-75-DB, LMR-600-75-FR Cable



**EZ-600-FM-75-X**

**Configuration**

- F Male Connector
- 75 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-600-75, LMR-600-75-DB, LMR-600-75-FR

**Features**

- Operating Frequency of 1 GHz Max.
- Good VSWR of 1.3:1
- Gold Plated Beryllium Copper Contact
- 50 µin minimum contact plating

**Applications**

- General Purpose Test
- Custom Cable Assemblies
- CATV

**Description**

75 Ohm type F Male Connector Crimp/Non-Solder Contact Attachment for LMR-600-75, LMR-600-75-DB and LMR-600-75-FR Cable, part number EZ-600-FM-75-X, from Times Microwave offered by Fairview Microwave is in-stock and ships same day. This type F male connector operates up to a maximum frequency of 1 GHz and offers good VSWR of 1.3:1.

Times Microwave's 75 ohm type F male connector EZ-600-FM-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		1,000	MHz
VSWR			1.3:1	
Insertion Loss			1	dB
Dielectric Withstanding Voltage (AC)			750	Vrms
Insulation Resistance	5,000			MOhms
Impedance		75		Ohms

Electrical Specification Notes:  
Insertion loss is =0.1\*SQRT(FGHz)

**Mechanical Specifications**

Size	
Length	0.69 in [17.53 mm]
Width	0.69 in [17.53 mm]
Height	2.02 in [51.31 mm]
Weight	0.03 lbs [13.61 g]
Mating Cycles	500 Cycles
Mating Torque	1.7 in-lbs [[0.19 Nm]]
Cable Retention Force	150 lbs [68.04 kg]

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## EZ-600-FM-75-X

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50 µin minimum
Insulation	PTFE	
Body	Brass	Tri-Metal 80 µin minimum
Coupling Nut	Copper	Tri-Metal 80 µin minimum
Gasket	Silicone	
Crimp Sleeve	Copper	Tri-Metal 80 µin minimum

### Environmental Specifications

#### Temperature

Operating Range

-40 to +125 deg C

Shock

MIL-STD-202G, Method 213, Cond I

Vibration

MIL-STD-202G, Method 204, Cond B

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

### Plotted and Other Data

Notes:

75 Ohm F Male Connector Crimp/Non-Solder Contact Attachment for LMR-600-75, LMR-600-75-DB, LMR-600-75-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.

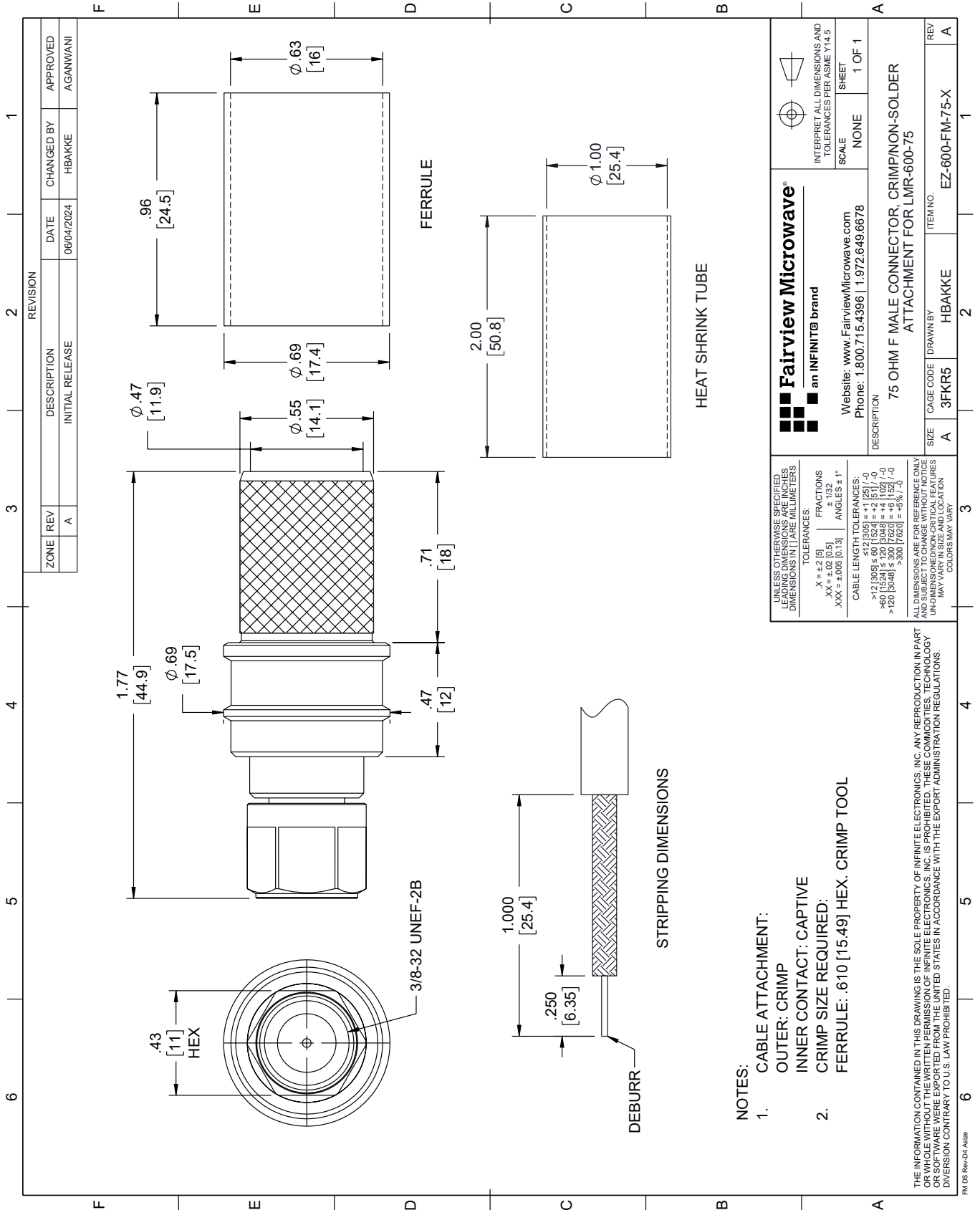
For additional information on this product, please click the following link: [75 Ohm F Male Connector Crimp/Non-Solder Contact Attachment for LMR-600-75, LMR-600-75-DB, LMR-600-75-FR Cable EZ-600-FM-75-X](#)

URL: <https://www.fairviewmicrowave.com/f-male-lmr-600-75-lmr-600-75-db-lmr-600-75-fr-connector-ez-600-fm-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.

# EZ-600-FM-75-X CAD Drawing

75 Ohm F Male Connector Crimp/Non-Solder Contact Attachment for LMR-600-75, LMR-600-75-DB, LMR-600-75-FR Cable



- NOTES:
- CABLE ATTACHMENT:  
OUTER CONTACT: CRIMP  
INNER CONTACT: CAPTIVE  
CRIMP SIZE REQUIRED:  
FERRULE: .610 [15.49] HEX. CRIMP TOOL

<b>Fairview Microwave®</b> an INFINIT® brand Website: www.FairviewMicrowave.com Phone: 1.800.715.4396   1.972.649.6678		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES, DIMENSIONS IN [ ] ARE MILLIMETERS. TOLERANCES: .X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13] FRACTIONS ± 1/32 ANGLES ± 1° CABLE LENGTH TOLERANCES: ≤ 12 [305] ±.60 [15.24] = +.2 [5.1] / -0 > 12 [305] ≤ 60 [1524] = +.4 [10.2] / -0 > 60 [1524] ≤ 120 [3048] = +.4 [10.2] / -0 > 120 [3048] ≤ 300 [7620] = +.6 [15.2] / -0 > 300 [7620] = +.8 [20.3] / -0 ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS. DIMENSIONS AND LOCATIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.		
DESCRIPTION: 75 OHM F MALE CONNECTOR, CRIMP/NON-SOLDER ATTACHMENT FOR LMR-600-75 CAGE CODE: 3FKR5 DRAWN BY: HBAKKE ITEM NO.: EZ-600-FM-75-X REV: A		

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