

BNC Female (Jack) RF Termination (Load),  
2 Watt, DC to 12 GHz, 75 Ohm, Brass



**FMTR1191**

**Features**

- DC to 12 GHz Frequency Range
- 75 Ohm Impedance
- BNC Female Coaxial Interface
- Max VSWR 1.25:1
- Max Power 2 Watts (CW)

**Applications**

- 8k UHD TV
- Video Distribution
- Test and Measurement

**Description**

Fairview Microwave's FMTR1191 is an RF termination (also called RF load or dummy load) that operates from DC to 12 GHz and handles up to 2 Watt (CW). Our BNC termination / load has a female gender. FMTR1191 BNC load termination offers 1.25:1 max VSWR. RF load / terminations are indispensable components in many RF, microwave and millimeter wave systems where signal reflection from unused ports can potentially damage the device or reduce the signal integrity. By using a terminator on an unused port with a matched load (dummy load), the incident energy will be absorbed with minimal reflection. These termination components are commonly used to terminate devices such as couplers, circulators, and switches. They are also widely used in measurement systems to ensure accurate results. Fairview Microwave offers a huge selection of RF, microwave and millimeter wave terminations up to 65 GHz with excellent performance over the entire operating range and power handling capabilities up to 800 Watt (CW).

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12	GHz
Impedance		75		Ohms
VSWR, Input			1.25:1	
Input Power (CW)			2	Watts
2W average power from -55°C to +70°C linearly derated to 1W at 165°C				
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Operating Voltage (AC)			500	Vrms

**Mechanical Specifications**

**Size**

- Length 1.34 in [34.04 mm]
- Width 0.62 in [15.75 mm]
- Height 0.62 in [15.75 mm]
- Weight 0.2 lbs [90.72 g]

**Configuration**

- Connector BNC Female
- Mating Torque 0.6 to 2.5 in-lbs [0.07 to 0.28 Nm]
- Durability 500 Cycles

BNC Female (Jack) RF Termination (Load),  
2 Watt, DC to 12 GHz, 75 Ohm, Brass



## FMTR1191

### Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold over Nickel-Phosphorus Alloy over Copper
Insulation	Teflon	
Connector 1 Body	Brass	Tri-Metal over Copper
Coupling Nut	Brass	Tri-Metal over Copper
Housing	Brass	Tri-Metal over Copper

### Environmental Specifications

#### Temperature

Operating Range

-55 to +165 deg C

Humidity

Mil-STD-202, Method 106

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

Notes:

BNC Female (Jack) RF Termination (Load), 2 Watt, DC to 12 GHz, 75 Ohm, Brass 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.

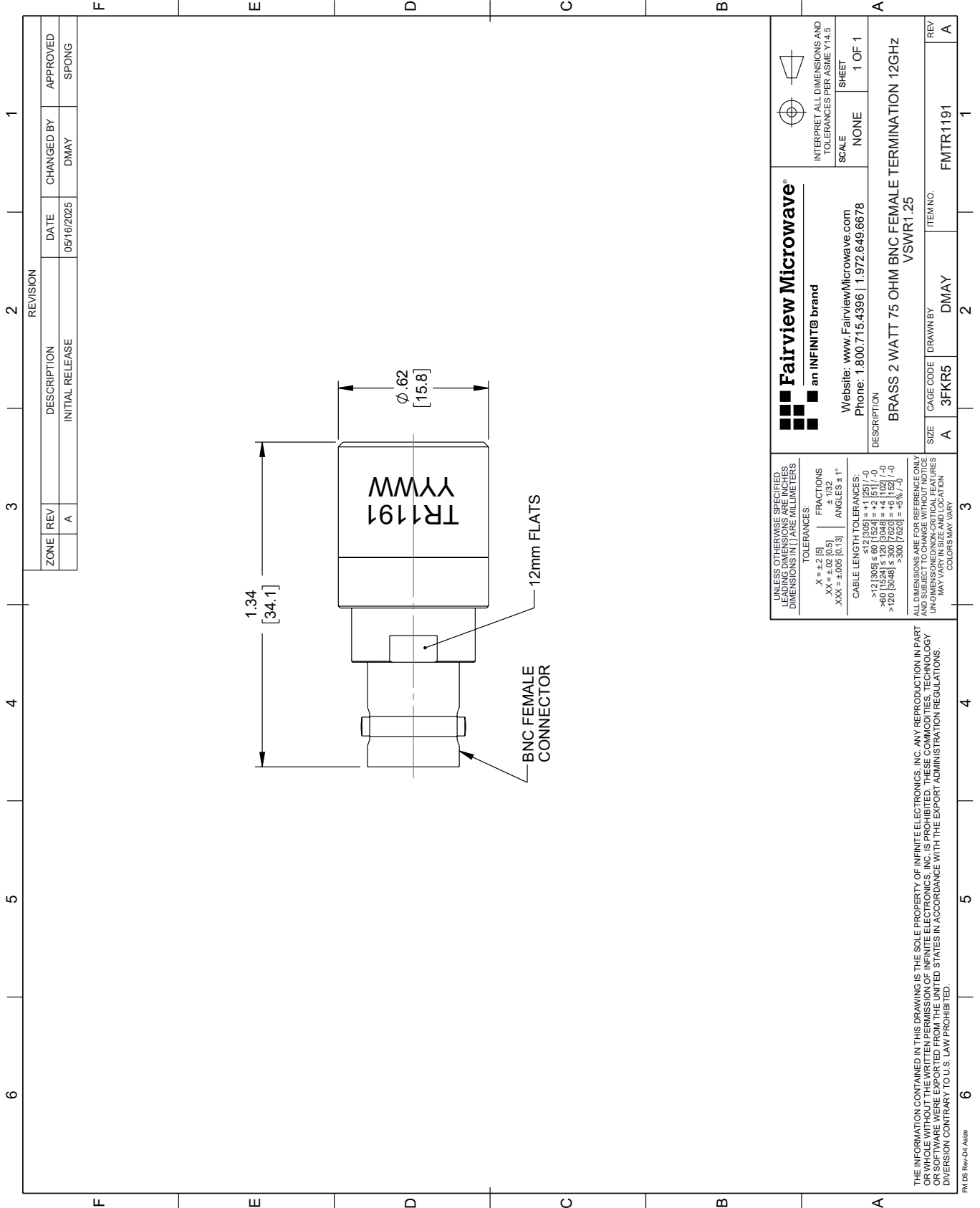
For additional information on this product, please click the following link: [BNC Female \(Jack\) RF Termination \(Load\), 2 Watt, DC to 12 GHz, 75 Ohm, Brass FMTR1191](#)

URL: <https://www.fairviewmicrowave.com/rf-load-2-watts-12-ghz-bnc-female-fmtr1191-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.

# FMTR1191 CAD Drawing

BNC Female (Jack) RF Termination (Load), 2 Watt, DC to 12 GHz, 75 Ohm, Brass



REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	INITIAL RELEASE	DMAY	SPONG
	A				

 <b>Fairview Microwave®</b> an INFINIT® brand		Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> 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 AND TRAILING DIMENSIONS ARE IN MILLIMETERS.		TOLERANCES: .X = ±.2 [5]      FRACTIONS ± 1/32 .XX = ±.02 [0.5]      ANGLES ± 1° .XXX = ±.005 [0.13]	
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TRAILING DIMENSIONS ARE IN MILLIMETERS.		CABLE LENGTH TOLERANCES: >12 [305] ≤ 60 [1524] = ±.1 [25] / -0 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0 >120 [3048] ≤ 300 [7620] = ±.8 [20] / -0	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE ARE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.		DESCRIPTION: BRASS 2 WATT 75 OHM BNC FEMALE TERMINATION 12GHZ VSWR1.25	
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	3FKR5	DMAY	FMTR1191