Fairview Microwave
RF COMPONENTS ON DEMAND. Done!

ST3B-F DATA SHEET

RF Load 2 Watts To 3 GHz Tri-Metal Plated Brass BNC Female

RF termination (also called RF load or dummy load) ST3B-F from Fairview Microwave operates from DC to 3 GHz and handles up to 2 Watts (CW). This BNC termination (or load) has a female gender. ST3B-F BNC load termination offers 1.25:1 max VSWR.

RF terminations / loads are critical passive components in many RF, microwave and millimeter wave systems where signal reflection from unused ports can reduce the signal integrity and can potentially damage the device. By terminating an unused port with a matched load (dummy load), the incident energy will be absorbed with minimal reflection. These radio frequency termination components are commonly used to terminate devices such as couplers, circulators, and switches. Loads / terminations are also widely used in measurement systems to ensure accurate results. Fairview offers a large selection of in-stock RF, microwave and millimeter wave terminations up to 65 GHz with great performance over the entire operating range and with power handling capabilities up to 800 Watts (CW).

Features:

- DC to 3 GHz Frequency Range
- VSWR 1.25:1 Max
- Max Power 2 Watts (CW)
- BNC Female Coaxial Interface

Applications:

- Wireless
- SatCom
- Radar Systems
- Test and Measurement
- Commercial and Military Communication

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
VSWR			1.25:1	
Input Power (CW) derated linearly to 1W at +125°C			2	Watts

Mechanical Specifications

Size

Length	1.03 in [26.16 mm]
Width	0.48 in [12.19 mm]
Weight	0.0295 lbs [13.38 g]

Configuration

Connector	BNC Female
Connector Specification	MIL-STD-348

Material Specifications

Description	Material	Plating
Insulation	PTFE	
Body	Brass	Tri-Metal
Housing	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range	-55 to +125 deg C

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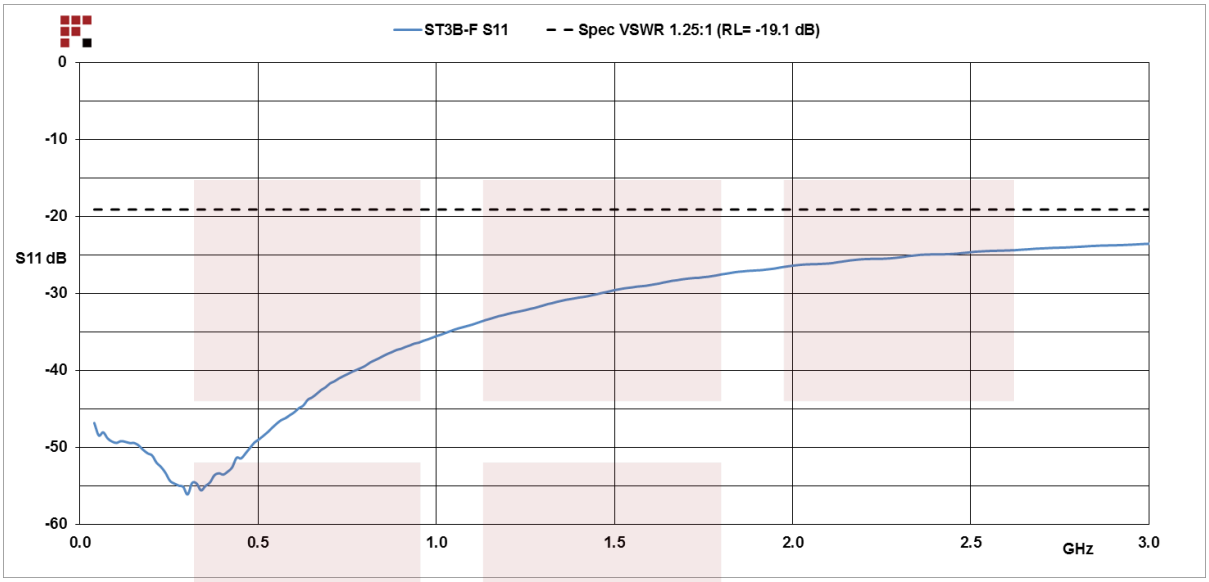
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

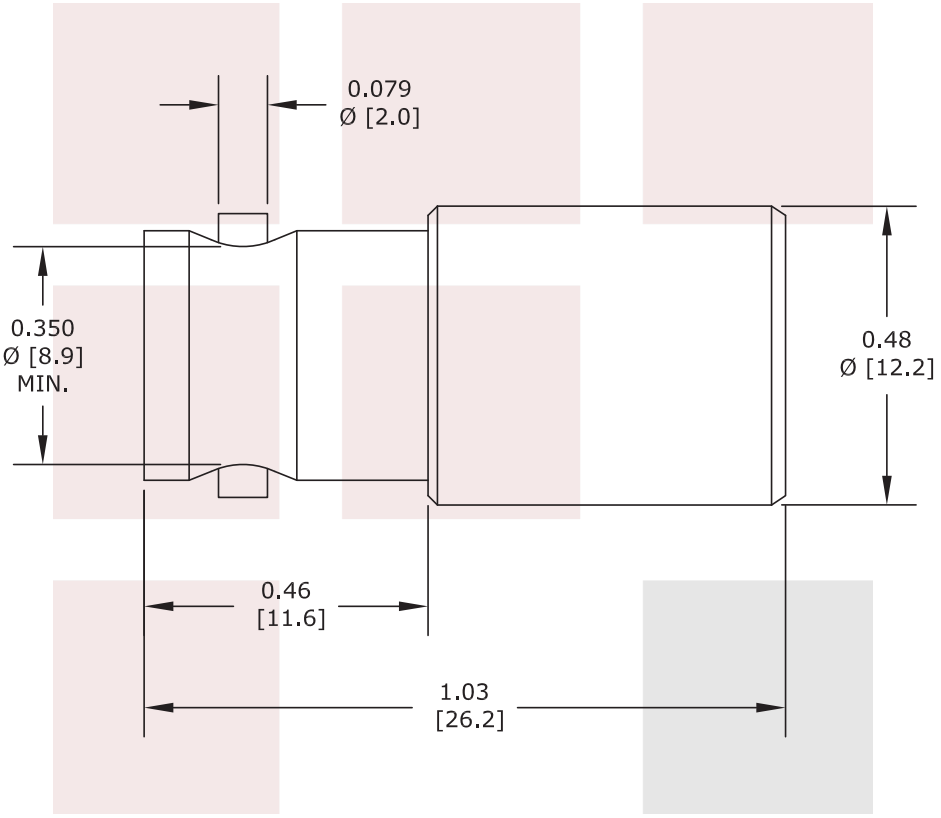
Typical Performance Data



RF Load 2 Watts To 3 GHz Tri-Metal Plated Brass BNC Female 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 Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: RF Load 2 Watts To 3 GHz Tri-Metal Plated Brass BNC Female ST3B-F

URL: https://www.fairviewmicrowave.com/rf-load-2-watts-3-ghz-bnc-female-st3b-f-p.aspx



STANDARD TOLERANCES
.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM	NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].				
TITLE RF Load 2 Watts To 3 GHz Tri-Metal Plated Brass BNC Female	DWG NO ST38-F	CAGE CODE 3FKR5			
	CAD FILE 062617	SHEET	SCALE N/A	SIZE A	2233