

RF Load 2 Watts To 6 GHz With Chain Tri-Metal Plated Brass TNC Male

RF termination (also called RF load or dummy load) STT0638 from Fairview Microwave operates from DC to 6 GHz and handles up to 2 Watts (CW). This TNC termination (or load) has a male gender. STT0638 TNC load termination offers 1.2:1 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 6 GHz Frequency Range
- VSWR 1.2:1 Max
- Max Power 2 Watts (CW)
- TNC Male Coaxial Interface
- Includes Beaded Chain

Applications:

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

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Input Power (CW) derated linearly to 1W at +125°C			2	Watts
Input Power (Peak) 50 µsec duration			1	KWatts

Mechanical Specifications

Size	
Length	1.1 in [27.94 mm]
Width	0.63 in [16 mm]
Weight	0.054 lbs [24.49 g]

Configuration

Connector	TNC Male
Hex Size	14 mm

Material Specifications

Description	Material	Plating
Connector 1 Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal
Housing	Brass	Tri-Metal
Chain	Brass	Nickel

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Environmental Specifications

Temperature

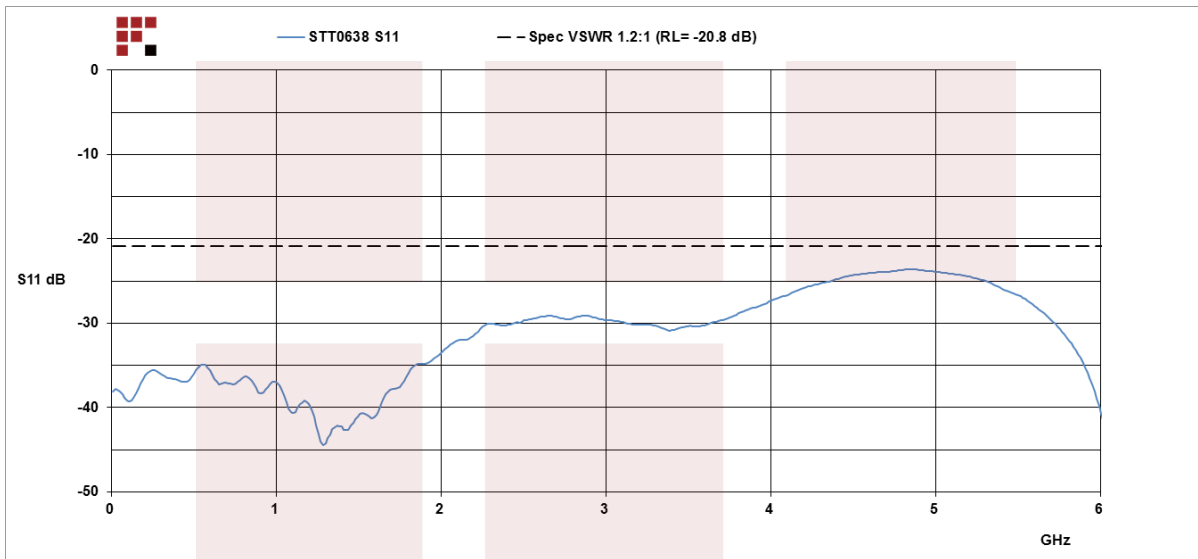
Operating Range -55 to +125 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data

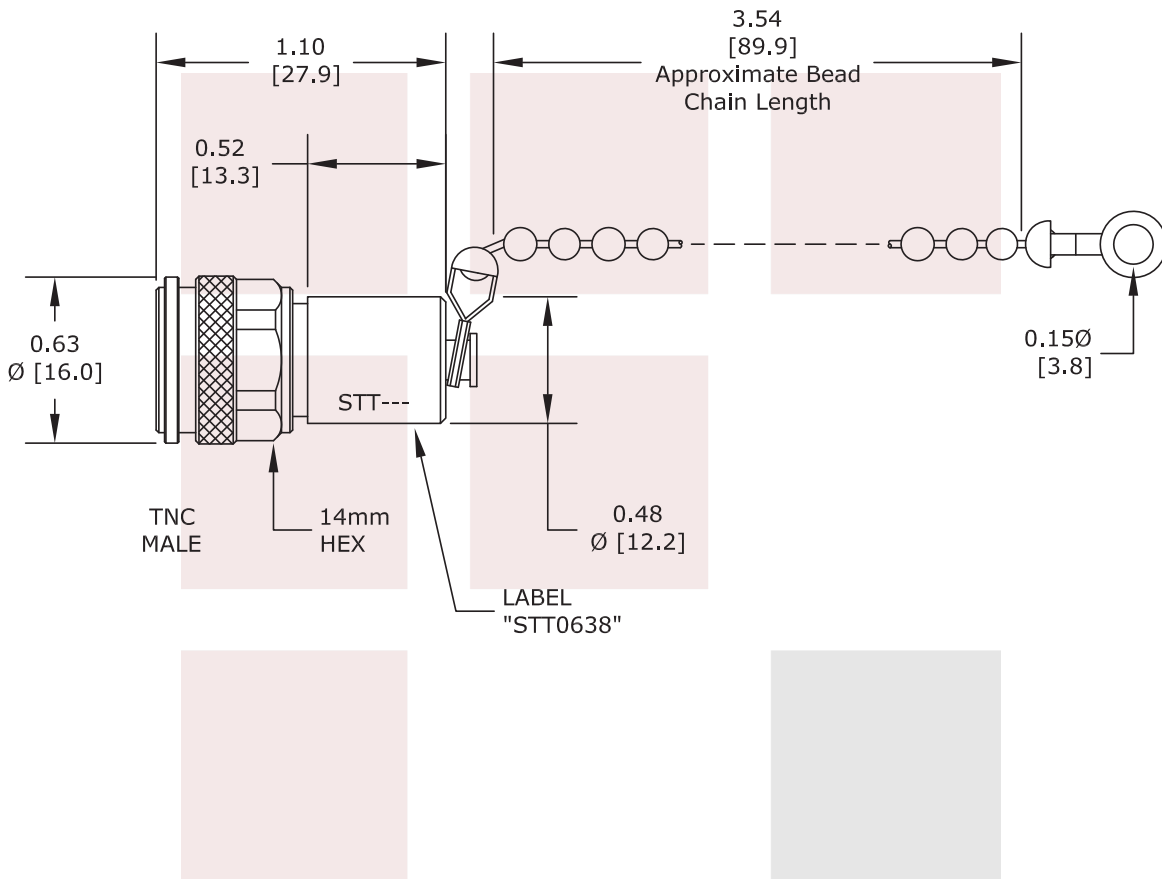


RF Load 2 Watts To 6 GHz With Chain Tri-Metal Plated Brass TNC Male from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RF Load 2 Watts To 6 GHz With Chain Tri-Metal Plated Brass TNC Male STT0638](#)

URL: <https://www.fairviewmicrowave.com/rf-load-2-watts-6-ghz-chain-tnc-male-stt0638-p.aspx>

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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 6 GHz With Chain Tri-Metal Plated Brass TNC Male	DWG NO STT0638	CAGE CODE 3FKR5			
CAD FILE 051717	SHEET	SCALE N/A	SIZE A	2233	