

RF Load 5 Watts To 6 GHz Black Anodized Aluminum Heatsink TNC Male

RF termination (also called RF load or dummy load) ST6T-5W from Fairview Microwave operates from DC to 6 GHz and handles up to 5 Watts (CW). This TNC termination (or load) has a male gender. ST6T-5W TNC load termination offers 1.25:1 max VSWR. This 5W TNC terminator from Fairview Microwave has a heatsink body which is designed to provide adequate heat dissipation within its full frequency of operation.

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).

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
Impedance		50		Ohms
VSWR			1.25:1	
Input Power (CW) derated linearly to 1W at +125°C			5	Watts

Mechanical Specifications

Size	
Length	1.82 in [46.23 mm]
Width	1.1 in [27.94 mm]
Weight	0.1164 lbs [52.8 g]

Configuration

Connector	TNC Male
Hex Size	14 mm

Material Specifications

Description	Material	Plating
Connector 1 Contact	Brass	Gold 50 μ-in. min.
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal
Housing	Black Anodized Aluminum Heatsink	



Features:

- DC to 6 GHz Frequency Range
- VSWR 1.25:1 Max
- Max Power 5 Watts (CW)
- TNC Male Coaxial Interface

Applications:

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

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Environmental Specifications

Temperature

Operating Range -45 to +125 deg C

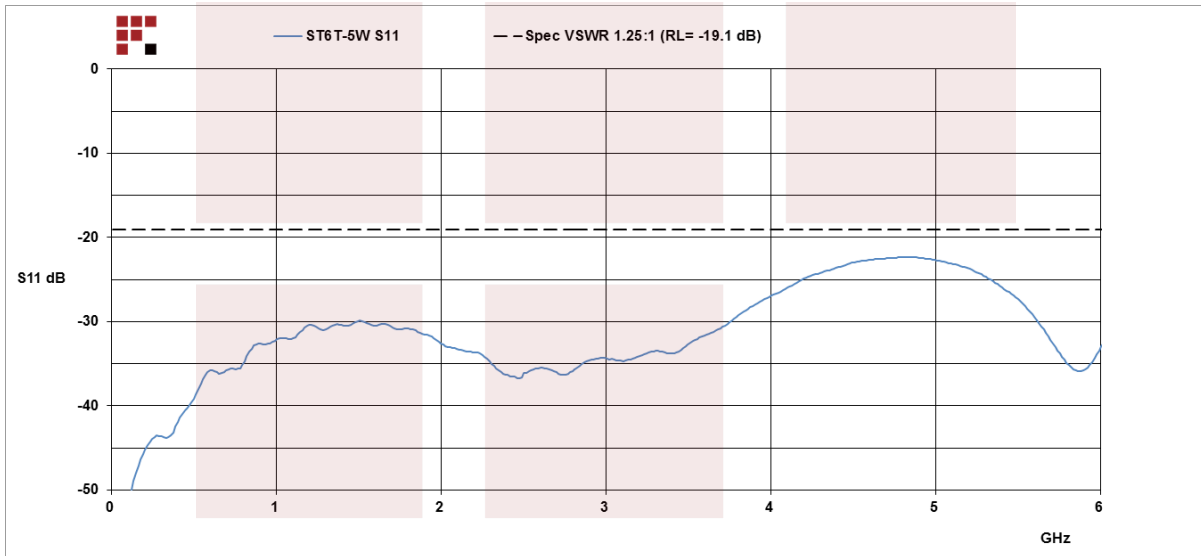
Compliance Certifications (visit www.FairviewMicrowave.com for current document)

RoHS Compliant Yes
 REACH Compliant 12/17/2015

Plotted and Other Data

Notes:

Typical Performance Data

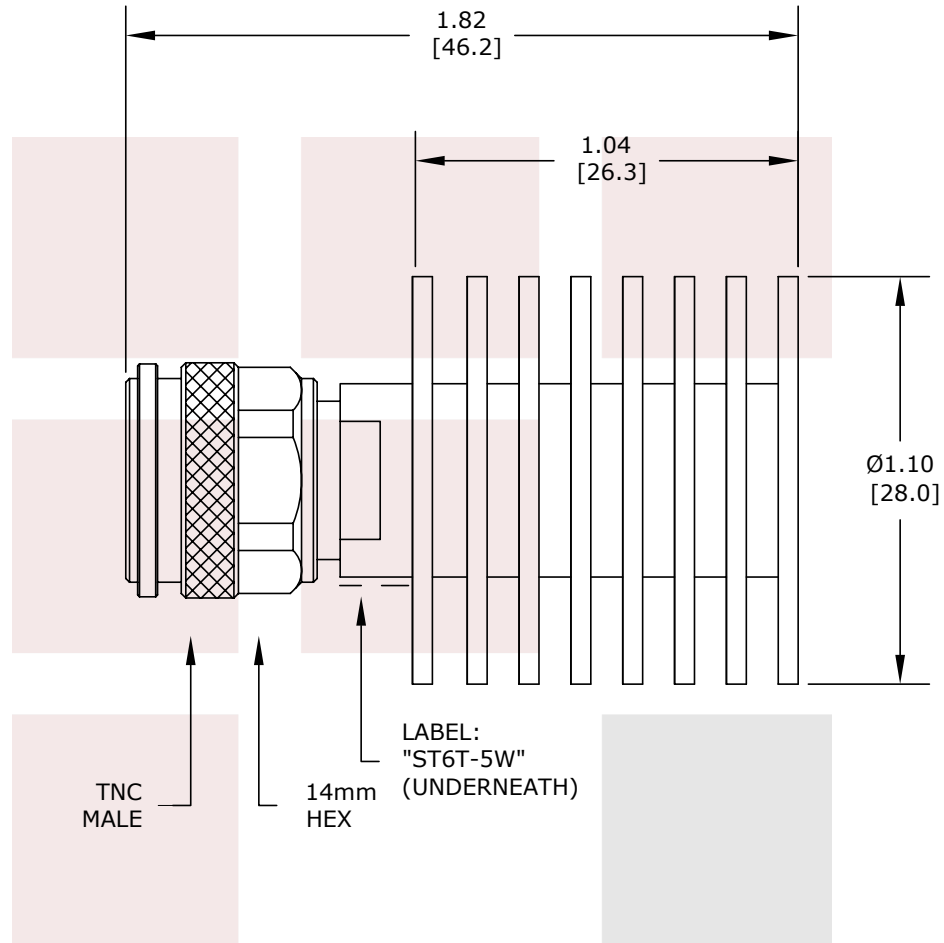


RF Load 5 Watts To 6 GHz Black Anodized Aluminum Heatsink TNC Male from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RF Load 5 Watts To 6 GHz Black Anodized Aluminum Heatsink TNC Male ST6T-5W](#)

URL: <https://www.fairviewmicrowave.com/rf-load-5-watts-6-ghz-tnc-male-st6t-5w-p.aspx>

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STANDARD TOLERANCES	
DECIMAL	
.XX	±0.20
.XXX	±0.10

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC.		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].			
ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		DWG NO		CAGE CODE	
TITLE RF Load 5 Watts To 6 GHz Black Anodized Aluminum Heatsink TNC Male		ST6T-5W		3FKR5	
CAD FILE	062816	SHEET	SCALE	N/A	SIZE A 3045