

**RF Load 100 Watts High Power To 4 GHz Black Anodized Aluminum Heatsink 7/16 DIN Male**

High power RF termination (also called RF load or dummy load) ST4D257 from Fairview Microwave operates from DC to 4 GHz and handles up to 100 Watts (CW). This 7/16 DIN termination (or load) has a male gender. ST4D257 7/16 DIN load termination offers 1.35:1 max VSWR. This high power 100W 7/16 DIN 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 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		4	GHz
Impedance		50		Ohms
VSWR			1.35:1	
Input Power (CW) derated linearly to 10W at +125°C			100	Watts
Input Power (Peak) 5µs pulse, 5% duty cycle			10	KWatts

**Mechanical Specifications**

Size	
Length	7.2 in [182.88 mm]
Width	3.15 in [80.01 mm]
Height	2.36 in [59.94 mm]
Weight	3.75359 lbs [1.7 Kg]

**Configuration**

Connector	7/16 DIN Male
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**Material Specifications**

Description	Material	Plating
Connector 1 Contact	Brass	Gold
Body	Brass	Nickel
Housing	Black Anodized Aluminum Heatsink	



**Features:**

- High Power RF Load
- DC to 4 GHz Frequency Range
- VSWR 1.35:1 Max
- Max Power 100 Watts (CW)
- 7/16 DIN Male Coaxial Interface

**Applications:**

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

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**Environmental Specifications**

**Temperature**

Operating Range -55 to +125 deg C

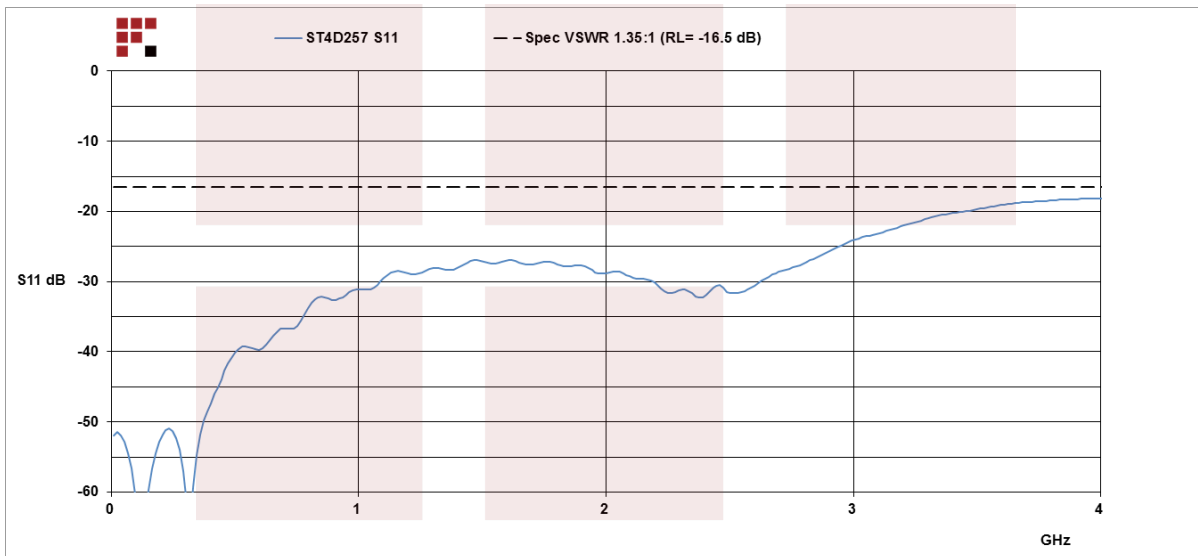
**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

RoHS Compliant Yes  
 REACH Compliant 12/17/2015

**Plotted and Other Data**

Notes:

**Typical Performance Data**

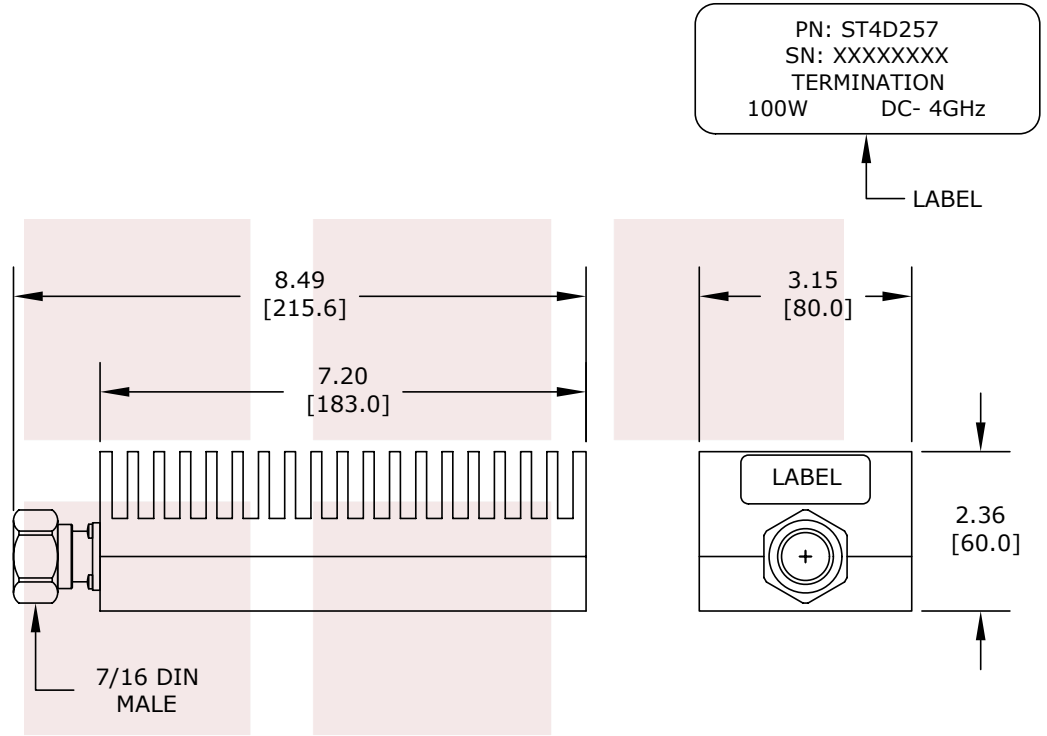


RF Load 100 Watts High Power To 4 GHz Black Anodized Aluminum Heatsink 7/16 DIN Male from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RF Load 100 Watts High Power To 4 GHz Black Anodized Aluminum Heatsink 7/16 DIN Male ST4D257](#)

URL: <https://www.fairviewmicrowave.com/rf-load-100-watts-4-ghz-7-16-male-st4d257-p.aspx>

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STANDARD TOLERANCES  
 DIMENSIONS IN INCHES  
 AND TOLERANCE  
 ±0.08%

\*STANDARD TOLERANCES APPLY  
 ONLY TO DIMENSIONS IN INCHES

<b>FAIRVIEW MICROWAVE INC.</b> 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 100 Watts High Power To 4 GHz Black Anodized Aluminum Heatsink 7/16 DIN Male		DWG NO ST4D257		CAGE CODE 3FKR5	
CAD FILE	041316	SHEET	SCALE	N/A	SIZE A 3045