Fairview Microwave
RF COMPONENTS ON DEMAND. Done!

ST1835
DATA SHEET

RF Load 1 Watts To 18 GHz Passivated Stainless Steel SSMA Male

RF termination (also called RF load or dummy load) ST1835 from Fairview Microwave operates from DC to 18 GHz and handles up to 1 Watt (CW). This SSMA termination (or load) has a male gender. ST1835 SSMA load termination offers 1.35:1 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 18 GHz Frequency Range
- VSWR 1.35:1 Max
- Max Power 1 Watt (CW)
- SSMA Male Coaxial Interface

Applications:

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

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
VSWR			1.35:1	
Input Power (CW)			1	Watts

Mechanical Specifications

Size

Length	0.54 in [13.72 mm]
Width	0.25 in [6.35 mm]
Weight	0.0055 lbs [2.49 g]

Configuration

Connector	SSMA Male
Hex Size	1/4 inch
Durability	500 Cycles

Material Specifications

Description	Material	Plating
Connector 1 Contact	Brass	Gold MIL-G-45204
Insulation	PTFE	
Body	Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel	
Housing	Passivated Stainless Steel	

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Environmental Specifications

Temperature

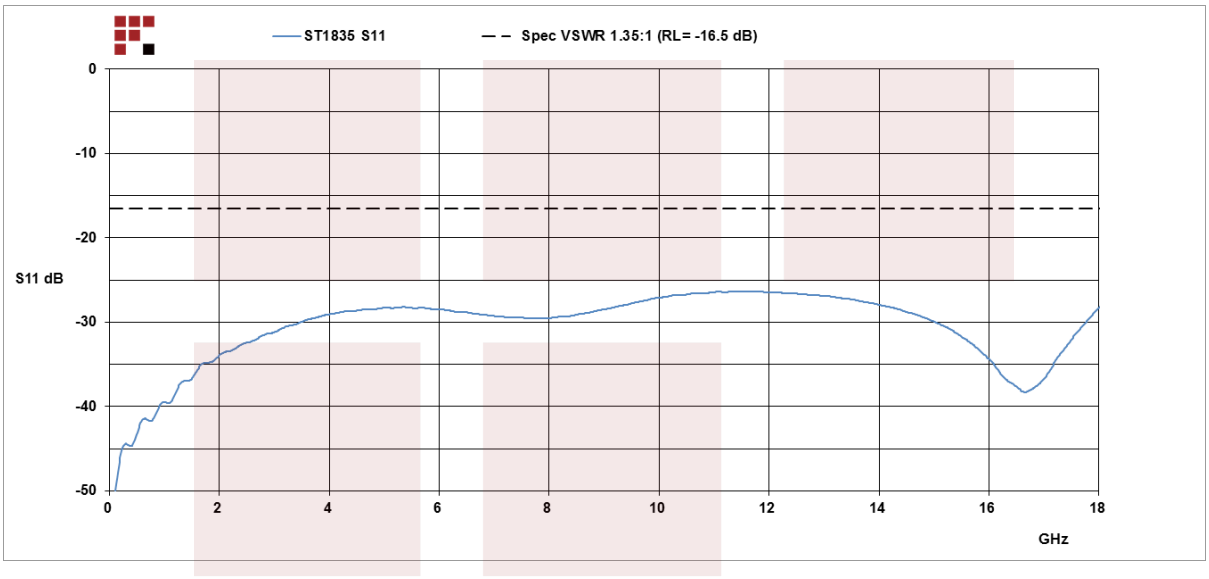
Operating Range	-45 to +120 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

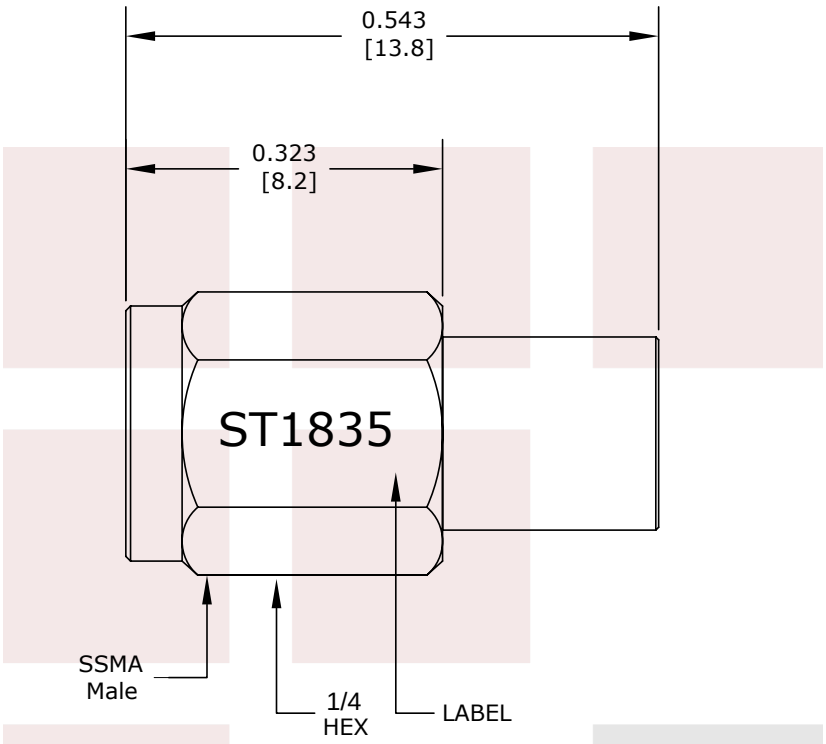
Typical Performance Data



RF Load 1 Watts To 18 GHz Passivated Stainless Steel SSMA 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 1 Watts To 18 GHz Passivated Stainless Steel SSMA Male ST1835

URL: https://www.fairviewmicrowave.com/rf-load-1-watts-18-ghz-ssma-male-st1835-p.aspx



STANDARD TOLERANCES	
DECIMAL	
.XX	±0.20
.XXX	±0.10

*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 1 Watts To 18 GHz Passivated Stainless Steel SSMA Male	DWG NO ST1835	CAGE CODE 3FKR5			
	CAD FILE 062416	SHEET	SCALE N/A	SIZE A	3045

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