

## RF Load 1 Watts To 10 GHz Gold Plated Brass SSMC Plug

RF termination (also called RF load or dummy load) ST3974 from Fairview Microwave operates from DC to 10 GHz and handles up to 1 Watt (CW). This SSMC termination (or load) has a plug connection type. ST3974 SSMC load termination offers 1.3:1 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 10 GHz Frequency Range
- VSWR 1.3:1 Max
- Max Power 1 Watt (CW)
- SSMC Plug Coaxial Interface

### Applications:

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

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		10	GHz
Impedance		50		Ohms
VSWR			1.3:1	
Input Power (CW)			1	Watts

### Mechanical Specifications

#### Size

Length	0.6 in [15.24 mm]
Width	0.16 in [4.06 mm]
Weight	0.0045 lbs [2.04 g]

#### Configuration

Connector	SSMC Plug
Hex Size	5/32 inch
Mating Torque	1 in-lbs [0.11 Nm]

### Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	Brass	Gold
Coupling Nut	Brass	Gold
Housing	Brass	Gold

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**Environmental Specifications**

**Temperature**

Operating Range -45 to +120 deg C

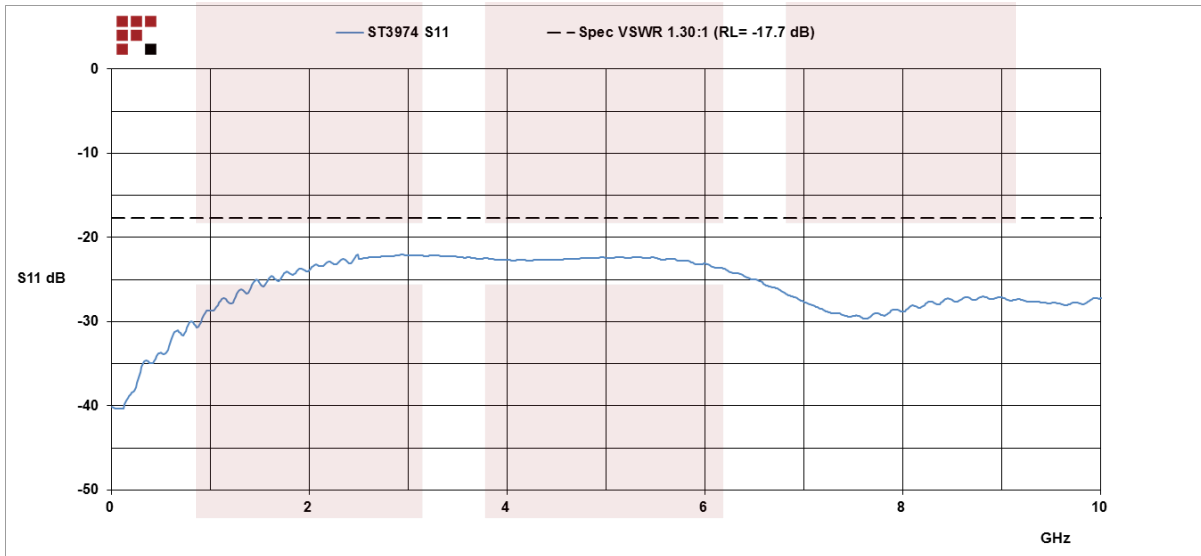
**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

RoHS Compliant Yes  
 REACH Compliant 12/17/2015

**Plotted and Other Data**

Notes:

**Typical Performance Data**

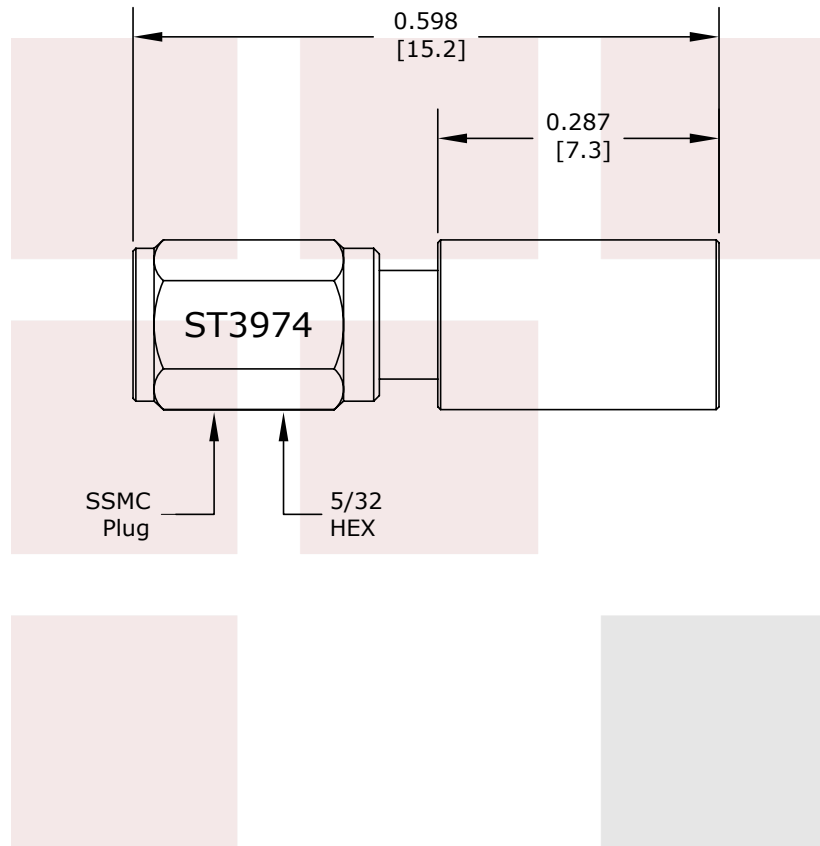


RF Load 1 Watts To 10 GHz Gold Plated Brass SSMC Plug from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RF Load 1 Watts To 10 GHz Gold Plated Brass SSMC Plug ST3974](http://www.fairviewmicrowave.com/rf-load-1-watts-10-ghz-gold-plated-brass-ssmc-plug-st3974)

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TITLE RF Load 1 Watts To 10 GHz Gold Plated Brass SSMC Plug	DWG NO <b>ST3974</b>		CAGE CODE <b>3FKR5</b>		
	CAD FILE 041316	SHEET	SCALE N/A	SIZE A	3045