

RF Load 0.25 Watts To 12 GHz Gold Plated Beryllium Copper Mini SMP Female

RF termination (also called RF load or dummy load) ST1251 from Fairview Microwave operates from DC to 12 GHz and handles up to 0.25 Watt (CW). This Mini SMP termination (or load) has a female gender. ST1251 Mini SMP 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 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 12 GHz Frequency Range
- VSWR 1.35:1 Max
- Max Power 0.25 Watt (CW)
- Mini SMP Female Coaxial Interface

Applications:

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

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		12	GHz
Impedance		50		Ohms
VSWR			1.35:1	
Input Power (CW)			0.25	Watts

Mechanical Specifications

Size

Length	0.2 in [5.08 mm]
Width	0.11 in [2.79 mm]
Height	0.29 in [7.37 mm]
Weight	0.00882 lbs [4 g]

Configuration

Connector	Mini SMP Female
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Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold 50 μ" min.
Insulation	PTFE	
Body	Beryllium Copper	Gold 50 μ" min.
Housing	Beryllium Copper	Gold

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
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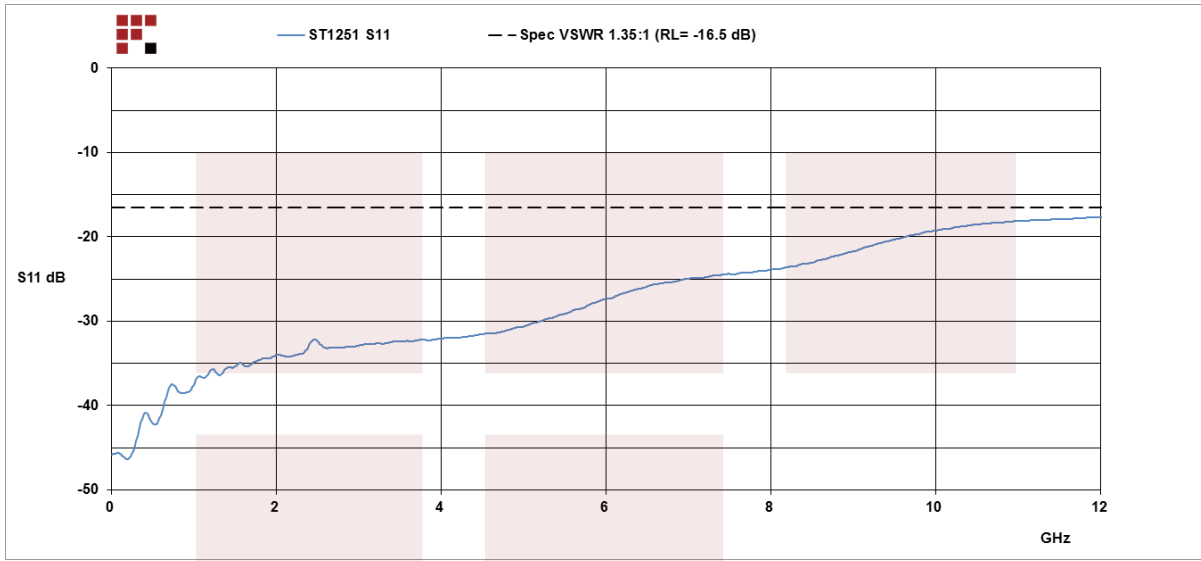
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Compliance Certifications (visit www.FairviewMicrowave.com for current document)
 RoHS Compliant Yes

Plotted and Other Data

Notes:

Typical Performance Data

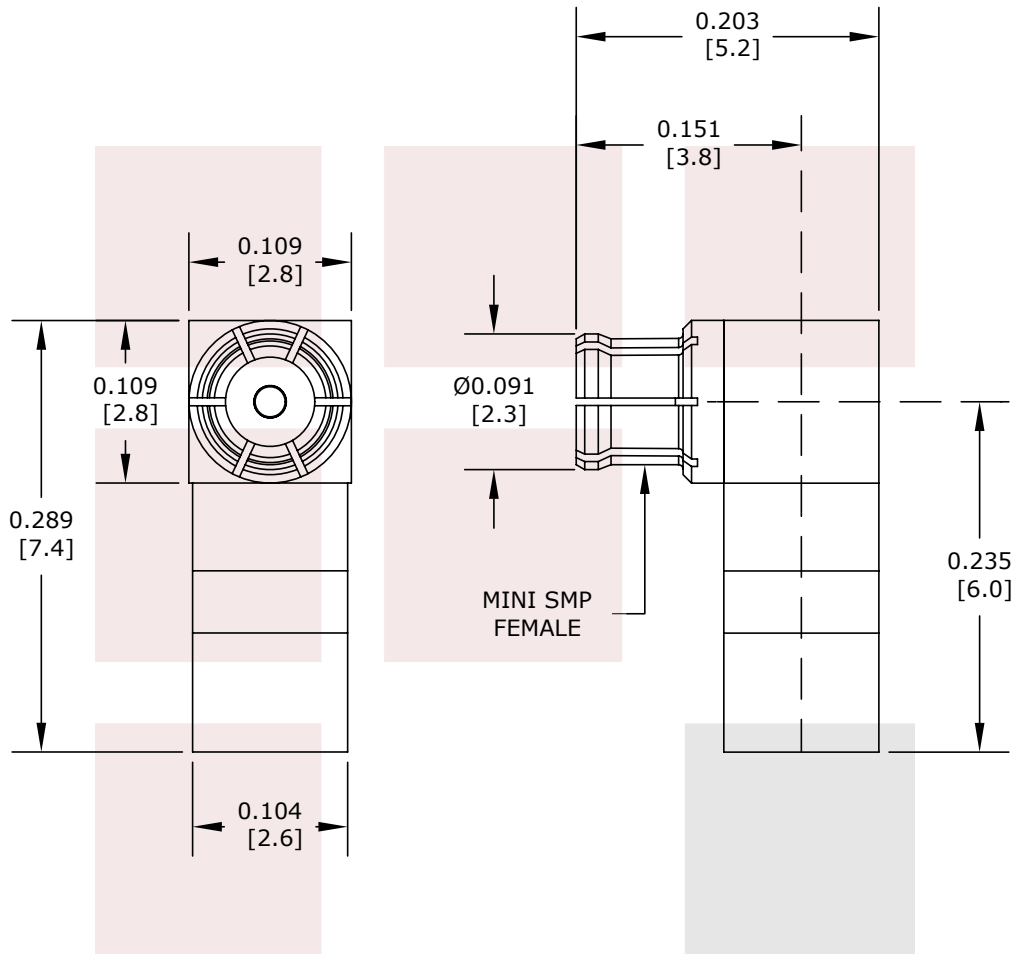


RF Load 0.25 Watts To 12 GHz Gold Plated Beryllium Copper Mini SMP Female from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RF Load 0.25 Watts To 12 GHz Gold Plated Beryllium Copper Mini SMP Female ST1251](#)

URL: <https://www.fairviewmicrowave.com/rf-load-0-watts-12-ghz-mini-smp-female-st1251-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.		NOTES:			
ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		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		DWG NO		CAGE CODE	
RF Load 0.25 Watts To 12 GHz Gold Plated Beryllium Copper Mini SMP Female		ST1251		3FKR5	
CAD FILE	041316	SHEET	SCALE	SIZE	3045
			N/A	A	