

RF Load 0.25 Watts To 40 GHz Gold Plated Beryllium Copper Mini SMP Female

RF termination (also called RF load or dummy load) ST4079 from Fairview Microwave operates from DC to 40 GHz and handles up to 0.25 Watt (CW). This Mini SMP termination (or load) has a female gender. ST4079 Mini SMP load termination offers 1.6:1 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 40 GHz Frequency Range
- VSWR 1.6:1 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		40	GHz
Impedance		50		Ohms
VSWR			1.6:1	
Input Power (CW)			0.25	Watts

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC - 26	26 - 40				GHz
VSWR, Max	1.5:1	1.6:1				

Mechanical Specifications

Size	
Length	0.29 in [7.37 mm]
Width	0.13 in [3.3 mm]
Weight	0.00022 lbs [0.1 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 -55 to +125 deg C

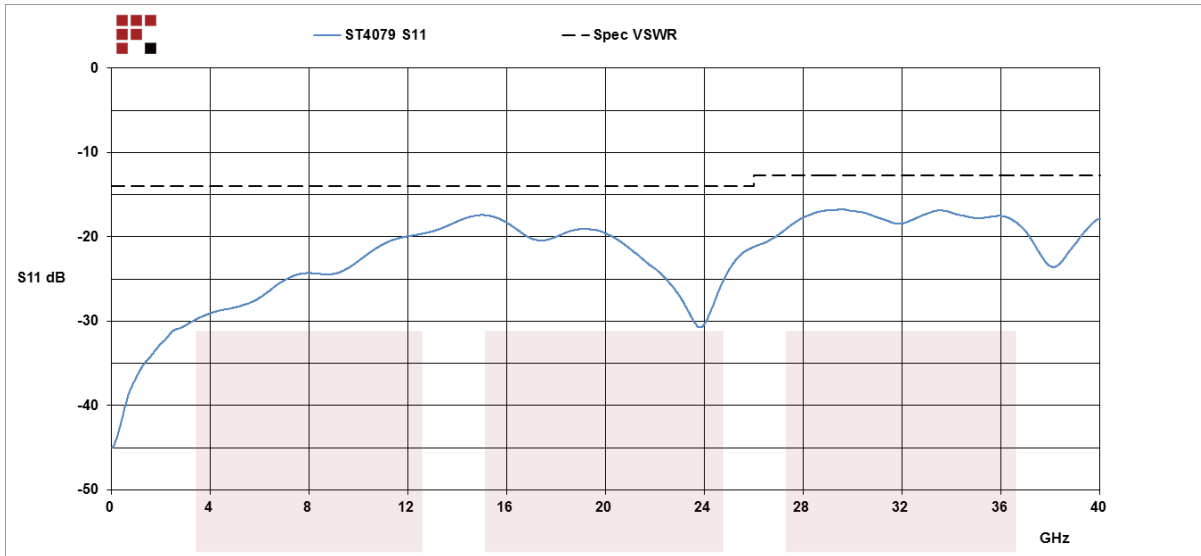
Compliance Certifications (visit www.FairviewMicrowave.com for current document)

RoHS Compliant Yes

Plotted and Other Data

Notes:

Typical Performance Data

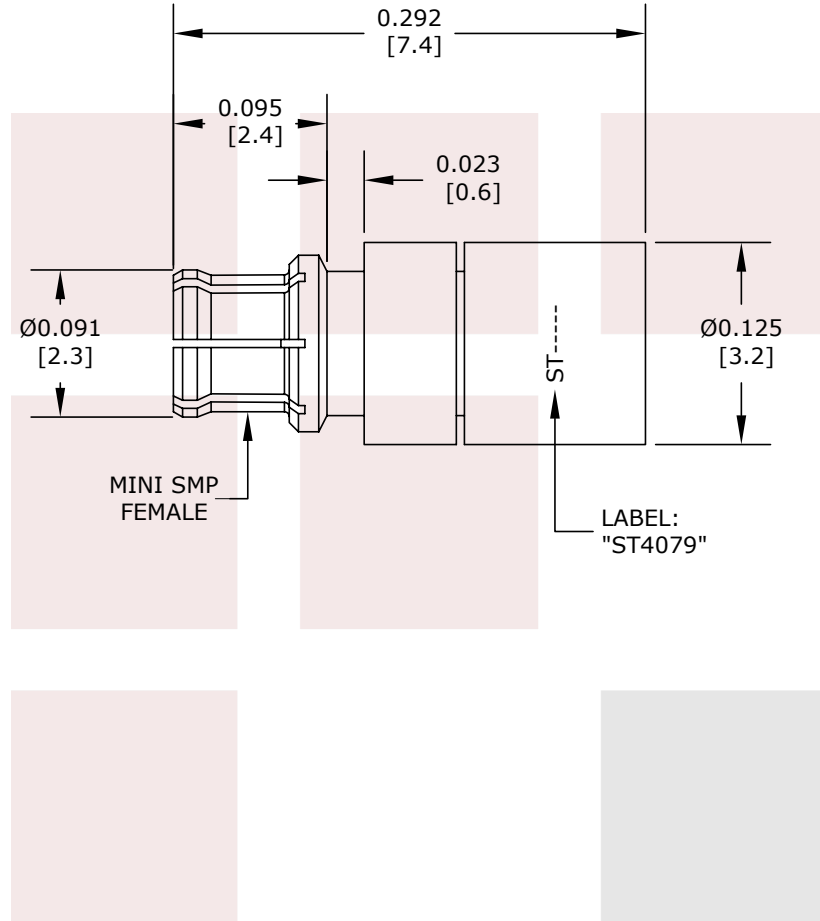


RF Load 0.25 Watts To 40 GHz Gold Plated Beryllium Copper Mini SMP Female from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RF Load 0.25 Watts To 40 GHz Gold Plated Beryllium Copper Mini SMP Female ST4079](#)

URL: <https://www.fairviewmicrowave.com/rf-load-0.25-watts-40-ghz-mini-smp-female-st4079-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. 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 0.25 Watts To 40 GHz Gold Plated Beryllium Copper Mini SMP Female		DWG NO ST4079		CAGE CODE 3FKR5	
CAD FILE	070116	SHEET	SCALE	N/A	SIZE A 3045