

## 2 Watt RF Termination SMA Male, DC to 1 GHz, Nickel Plated Brass Body



### SMTR1001

#### Features

- SMA connector interface
- DC to 1 GHz Frequency Range
- Max Power 2 Watt (CW)
- VSWR < 1.1:1

#### Applications

- Instrumentation
- RF test systems
- Prototyping and characterization
- Production systems
- Precision measurements

#### Description

ShowMeCables' SMTR1001 is an RF termination (also called RF load or dummy load) that operates from DC to 1 GHz and handles up to 2 Watt (CW). Our N termination / load has a male gender. SMTR1001 N load termination offers 1.1:1 max VSWR.

RF load / terminations are indispensable components in many RF, microwave and millimeter wave systems where signal reflection from unused ports can potentially damage the device or reduce the signal integrity. By using a terminator on an unused port with a matched load (dummy load), the incident energy will be absorbed with minimal reflection. These termination components are commonly used to terminate devices such as couplers, circulators, and switches. They are also widely used in measurement systems to ensure accurate results. L-com offers a huge selection of RF, microwave and millimeter wave terminations up to 65 GHz with excellent performance over the entire operating range and power handling capabilities up to 800 Watt (CW).

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
VSWR, Input			1.1:1	
Input Power (CW)			2	Watts
Input Power (Peak)			250	Watts
5μs pulse with 0.4% duty cycle				

#### Mechanical Specifications

##### Size

Length	0.629 in [15.98 mm]
Width	0.354 in [8.99 mm]
Weight	0.0088 lbs [3.99 g]

##### Configuration

Connector	SMA Male
Hex Size	5/16 inch

#### Material Specifications

Description	Material	Plating
Connector 1 Contact	Brass	Gold
Connector 1 Body	Brass	Nickel

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**Material Specifications**

Description	Material	Plating
Coupling Nut	Brass	Nickel
Housing	Brass	Nickel

**Environmental Specifications**

**Temperature**

Operating Range -55 to +125 deg C

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

**FPO** Show Me Cables specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

**FPO** Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Watt RF Termination SMA Male, DC to 1 GHz, Nickel Plated Brass Body SMTR1001](#)

**URL:** [https://www.showmecables.com/showmecables-dc-1ghz-2w-rf-load-sma-\(m\)-p.aspx](https://www.showmecables.com/showmecables-dc-1ghz-2w-rf-load-sma-(m)-p.aspx)

**FPO** The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Show Me Cables reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Show Me Cables does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Show Me Cables does not assume liability arising out of the use of any part or document.

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