

## SMA Male (Plug) Termination (Load) 2 Watt DC to 18 GHz, Passivated Stainless Steel, 1.2:1 VSWR



### FMTR1173

#### Features

- DC to 18 GHz Frequency Range
- 50 Ohm Impedance
- SMA Male Coaxial Interface
- Max VSWR 1.2:1
- Max Power 2 Watts (CW)

#### Applications

- Instrumentation
- Precision Measurements
- Prototyping and Characterization
- Production Systems

#### Description

Fairview Microwave's FMTR1173 is an RF termination (also called RF load or dummy load) that operates from DC to 18 GHz and handles up to 2 Watt (CW). Our SMA termination / load has a male gender. FMTR1173 SMA load termination offers 1.2:1 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		18	GHz
Impedance		50		Ohms
VSWR, Input		1.15:1	1.2:1	
Input Power (CW)			2	Watts
2W average power from -55°C to 70°C linearly derated to 1 Watt at 165°C				
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Operating Voltage (AC)			500	Vrms

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC - 6	6 - 12.4	12.4 - 18			GHz
VSWR, Input Typ	1.1:1	1.15:1	1.2:1			

#### Mechanical Specifications

##### Size

Length	0.52 in [13.21 mm]
Width	0.31 in [7.87 mm]
Height	0.31 in [7.87 mm]
Weight	2.5 lbs [1.13 kg]

##### Configuration

Connector	SMA Male
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Connector Specification	MIL-STD-348B
Mating Torque	7 to 9.5 in-lbs [0.79 to 1.07 Nm]
Durability	500 Cycles

#### Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold
Insulation	Teflon	
Gasket	Silicone	
Connector 1 Body	Passivated Stainless Steel	
Housing	Passivated Stainless Steel	

#### Environmental Specifications

<b>Temperature</b>	
Operating Range	-65 to +165 deg C
Humidity	MIL-STD-202, Method 106
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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

#### Plotted and Other Data

Notes:

SMA Male (Plug) Termination (Load) 2 Watt DC to 18 GHz, Passivated Stainless Steel, 1.2:1 VSWR 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Male \(Plug\) Termination \(Load\) 2 Watt DC to 18 GHz, Passivated Stainless Steel, 1.2:1 VSWR FMTR1173](#)

URL: <https://www.fairviewmicrowave.com/rf-load-2-watts-18-ghz-sma-male-fmtr1173-p.aspx>

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