

SMA Male (Plug) Termination (Load) 2 Watts DC to 12 GHz, Stainless Steel Body, 1.15:1 VSWR

Fairview Microwave's FMTR1145 is an RF termination (also called RF load or dummy load) that operates from DC to 12 GHz and handles up to 2 Watt (CW). Our SMA termination / load has a male gender. FMTR1145 SMA load termination offers 1.15:1 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. Fairview Microwave 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	Min	Typ	Max	Units
Frequency Range	DC		12	GHz
Impedance		50		Ohms
VSWR			1.15:1	
Input Power (CW) Derated linearly to 1W at +165°C			2	Watts
DWV (DC)			1,500	Vdc
Operating Voltage (DC)			500	Vdc

Mechanical Specifications

Size	
Length	0.52 in [13.21 mm]
Width	0.315 in [8 mm]
Height	0.315 in [8 mm]
Weight	0.01 lbs [4.54 g]
Package Type	Connectorized

Configuration

Connector	SMA Male
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Material Specifications

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

Environmental Specifications

Temperature	
Operating Range	-55 to +165 deg C



Features:

- DC to 12 GHz Frequency Range
- 50 Ohm Impedance
- SMA Male Coaxial Interface
- Max VSWR 1.15:1
- Max Power 2 Watts (CW)

Applications:

- WIFI 6E
- 5G Cellular bands
- SatCom
- Radar Systems
- Test and Measurement
- Commercial and Military Communication

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Humidity
Thermal Shock
Salt Spray

MIL-STD-202, Method 106
MIL-STD-202, Method 107, Condition B
MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

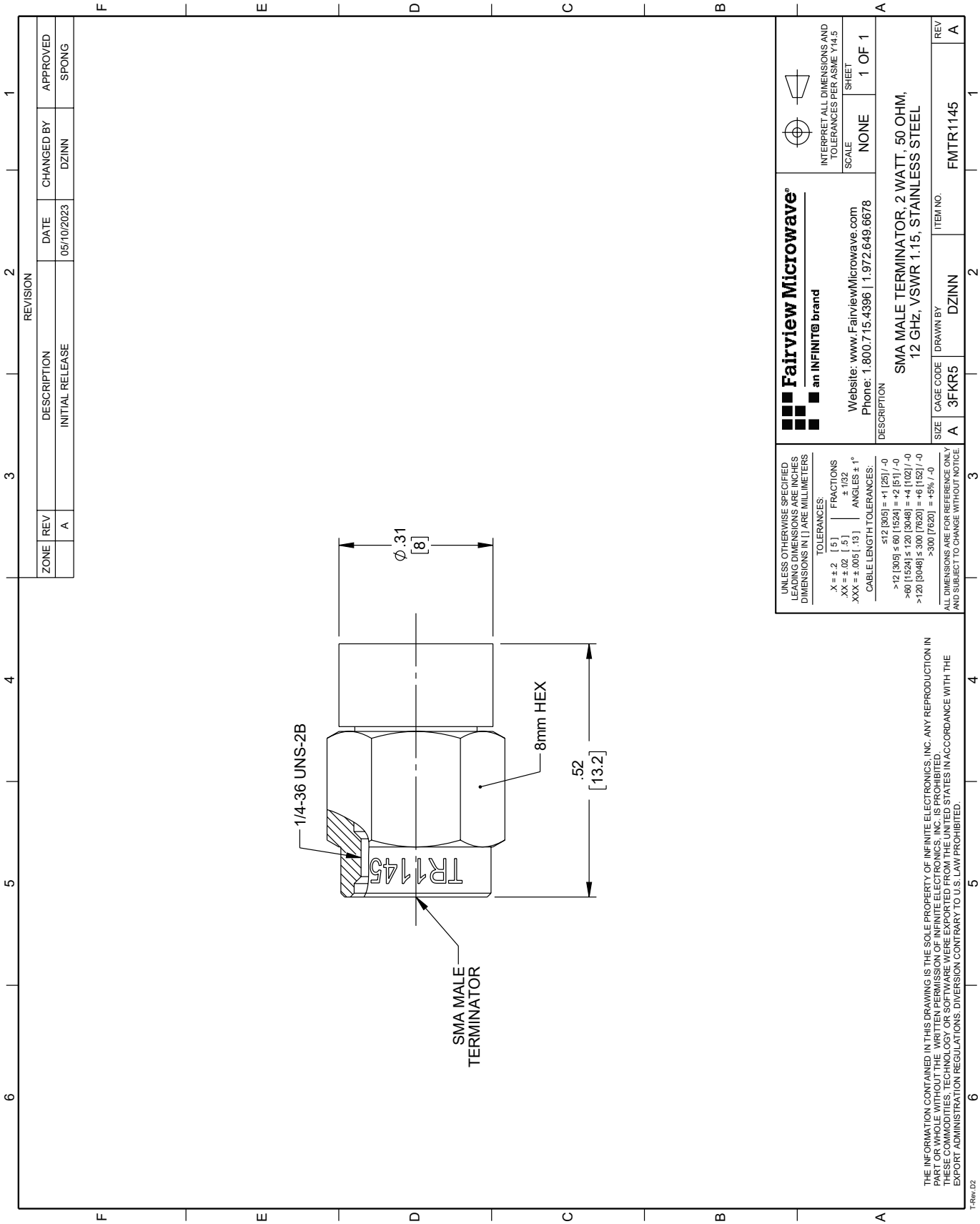
Notes:

SMA Male (Plug) Termination (Load) 2 Watts DC to 12 GHz, Stainless Steel Body, 1.15:1 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 Watts DC to 12 GHz, Stainless Steel Body, 1.15:1 VSWR FMTR1145](#)

URL: <https://www.fairviewmicrowave.com/2-watts-12-ghz-sma-male-fmtr1145-p.aspx>

The information contained in 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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X = ± .2	[.5]	FRACTIONS
XX = ± .02	[.13]	± 1/32
XXX = ± .005	[.13]	ANGLES ± 1°

CABLE LENGTH TOLERANCES:

≤ 12 [305]	± .125 [-0
> 12 [305] ≤ 60 [1524]	± .25 [-0
> 60 [1524] ≤ 120 [3048]	± .5 [-0
> 120 [3048] ≤ 300 [7620]	± .6 [-0
> 300 [7620]	± .5% [-0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE

1/4-36 UNS-2B

TR1145

SMA MALE TERMINATOR

8mm HEX

.52 [13.2]

Ø .31 [8]

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