

2 Watt 50ohm SMB Plug Termination 4GHz VSWR1.2

RF termination (also called RF load or dummy load) FMTR042 from Fairview Microwave operates from DC to 4 GHz and handles up to 2 Watts (CW). This SMB termination (or load) is a 50 Ohm impedance and has a Plug interface. FMTR042 50 Ohm SMB load termination offers 1.2:1 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 Microwave 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 4 GHz Frequency Range
- Max Power 2 Watt (CW)
- SMB Plug Coaxial Interface
- Max VSWR 1.2:1
- 50ohm Impedance
- Quick Snap-on Coupling

Applications:

- Test and Measurement
- Commercial and Military Communication
- Base Stations
- Antenna Systems
- GPS Systems

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		4	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Input Power (CW)			2	Watts

Mechanical Specifications

Size		
Length		0.74 in [18.8 mm]
Width		0.3 in [7.62 mm]
Weight		0.0269 lbs [12.2 g]

Configuration	
Connector	SMB Plug

Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold 4μ in. minimum
Insulation	PTFE	
Body	Brass	Gold
Coupling Nut	Brass	Tri-Metal

Environmental Specifications

Temperature	
Operating Range	-55 to +165 deg C

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

Plotted and Other Data

Notes:

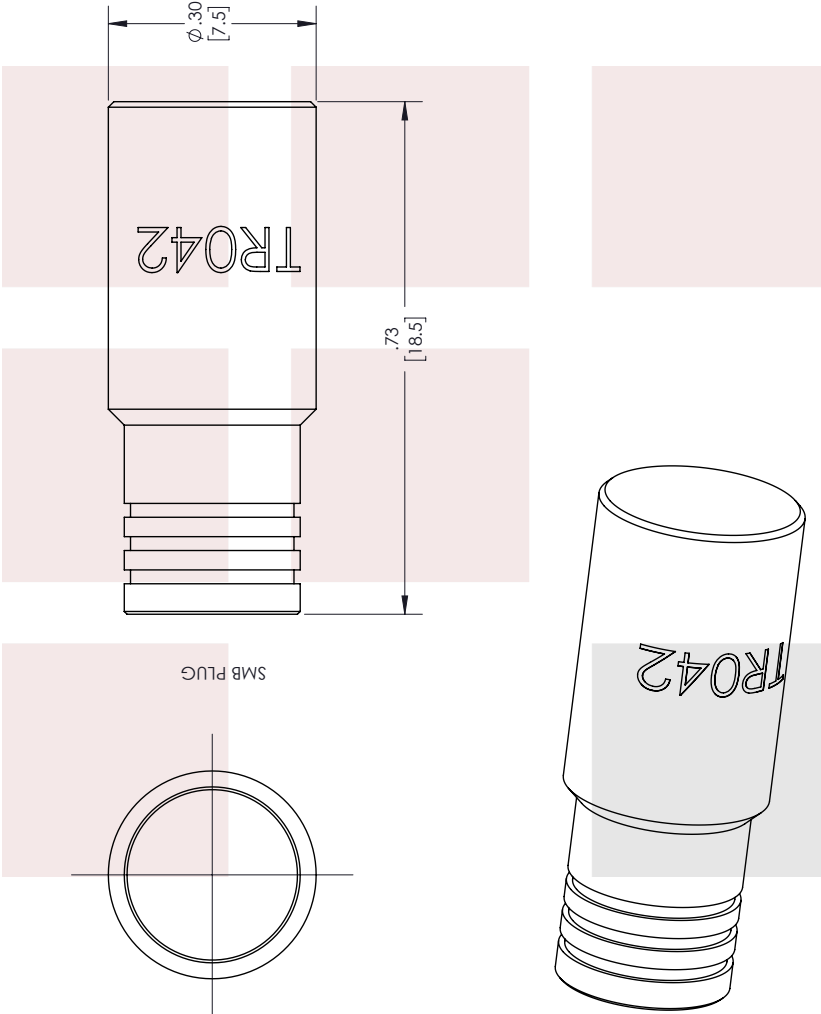
2 Watt 50ohm SMB Plug Termination 4GHz VSWR1.2 from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2 Watt 50ohm SMB Plug Termination 4GHz VSWR1.2 FMTR042](#)

URL: <https://www.fairviewmicrowave.com/rf-load-2-watts-4-ghz-smb-plug-fmtr042-p.aspx>

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REVISIONS		DATE	APPROVED
REV.	DESCRIPTION	23-08-2021	SPONG
A	INITIAL RELEASE		



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TITLE

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

TOLERANCES:

X = ±.2	E = .001	FRACTIONS	L ± .12 [3.05] = +.1 [2.5] / -0
XX = ±.02	[.5]		12 [3.05] < L ≤ 60 [1524] = +.2 [5] / -0
XXX = ±.005	[.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +.4 [10] / -0
			120 [3048] < L ≤ 300 [7620] = +.6 [15.2] / -0
			300 [7620] < L = +5%L / -0

CABLE LENGTHS (L) TOLERANCES:

THIRD ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3PKRS	MVEERAPPAN	FMTR042	A

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