

N-Type Male (Plug) to N-Type Female Feed-Thru Load 2 Watts DC to 1 GHz, Passivated Stainless Steel, 1.65:1 VSWR



FMTR6033A

Features

- DC to 1 GHz Frequency Range
- VSWR <1.65:1
- Max Power 2 Watt (CW)
- N-Type Female and Male Coaxial Interface

Applications

- Wireless
- SatCom
- Radar Systems
- Test and Measurement
- Commercial and Military Communications

Description

Fairview Microwave's FMTR6033A is a RF Feed thru termination (also called RF feed-thru load) that operates from DC to 1 GHz and handles up to 2 Watt (CW). Our N-Type feed thru termination/load has a male and female gender. FMTR6033A N-Type feed thru load termination offers 1.65:1 VSWR max.

RF load / termination are indispensable components in many RF, microwave and millimeter wave systems where signal reflections 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
VSWR, Input			1.65:1	
Input Power (CW)			2	Watts

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC - 0.5	0.5 - 1				GHz
VSWR, Input Typ	1.25:1	1.65:1				

Mechanical Specifications

Size

Length	1.736 in [44.09 mm]
Width	0.827 in [21.01 mm]
Height	0.827 in [21.01 mm]
Weight	0.1367 lbs [62.01 g]

Configuration

Connector 1	N Male
Connector 2	N Female

N-Type Male (Plug) to N-Type Female Feed-Thru Load 2 Watts DC to 1 GHz, Passivated Stainless Steel, 1.65:1 VSWR



FMTR6033A

Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold over nickel
Connector 2 Contact	Beryllium Copper	Gold over nickel
Insulation	Teflon	
Gasket	Silicone	
Connector 1 Body	Brass	Copper-Tin-Zinc Alloy

Environmental Specifications

Temperature

Operating Range -55 to +155 deg C

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

Plotted and Other Data

Notes:

N-Type Male (Plug) to N-Type Female Feed-Thru Load 2 Watts DC to 1 GHz, Passivated Stainless Steel, 1.65:1 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: [N-Type Male \(Plug\) to N-Type Female Feed-Thru Load 2 Watts DC to 1 GHz, Passivated Stainless Steel, 1.65:1 VSWR FMTR6033A](#)

URL: <https://www.fairviewmicrowave.com/feed-thru-load-2-watts-1-ghz-n-male-fmtr6033a-p.aspx>

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. 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 liability arising out of the use of any part or document.

FMTR6033A CAD Drawing

N-Type Male (Plug) to N-Type Female Feed-Thru Load 2 Watts DC to 1 GHz, Passivated Stainless Steel, 1.65:1 VSWR

