



2 Watt Feed-Thru Load Up to 1,000 MHz with N Male to Female Nickel Plated Brass

RF Terminations Technical Data Sheet

PE6033

Features

- DC to 1,000 MHz Frequency Range
- VSWR 1.65:1 Max
- Max Power 2 Watts (CW)
- N Male to Female Coaxial Interface

Applications

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

Description

Pasternack's PE6033 is an RF feed-thru termination (also called RF feed-thru load) that operates from DC to 1,000 MHz and handles up to 2 Watts (CW). This feed-thru N load is designed to be used with test equipment, like oscilloscopes, to match the equipment to the 50 Ohm device under test (DUT). PE6033 feed-thru N load termination offers 1.65:1 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 terminating 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. Pasternack 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 Watts (CW).

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
VSWR			1.65:1	
Input Power (CW) derated linearly to 0.5W at +125°C			2	Watts

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 0.5	0.5 to 1				GHz
VSWR, Max	1.25:1	1.65:1				

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Watt Feed-Thru Load Up to 1,000 MHz with N Male to Female Nickel Plated Brass PE6033](#)



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Mechanical Specifications

Size

Length	1.76 in [44.7 mm]
Width	0.8 in [20.32 mm]
Weight	0.151 lbs [68.49 g]

Configuration

Connector 1	N Male
Connector 1 Specification	MIL-STD-348
Connector 2	N Female
Connector 2 Specification	MIL-STD-348

Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold
Connector 2 Contact	Beryllium Copper	Gold
Body	Brass	Nickel
Coupling Nut	Brass	Nickel
Housing	Brass	Nickel

Environmental Specifications

Temperature

Operating Range	-65 to +125 deg C
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Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	
REACH Compliant	12/17/2015

Plotted and Other Data

Notes:

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2 Watt Feed-Thru Load Up to 1,000 MHz with N Male to Female Nickel Plated Brass from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

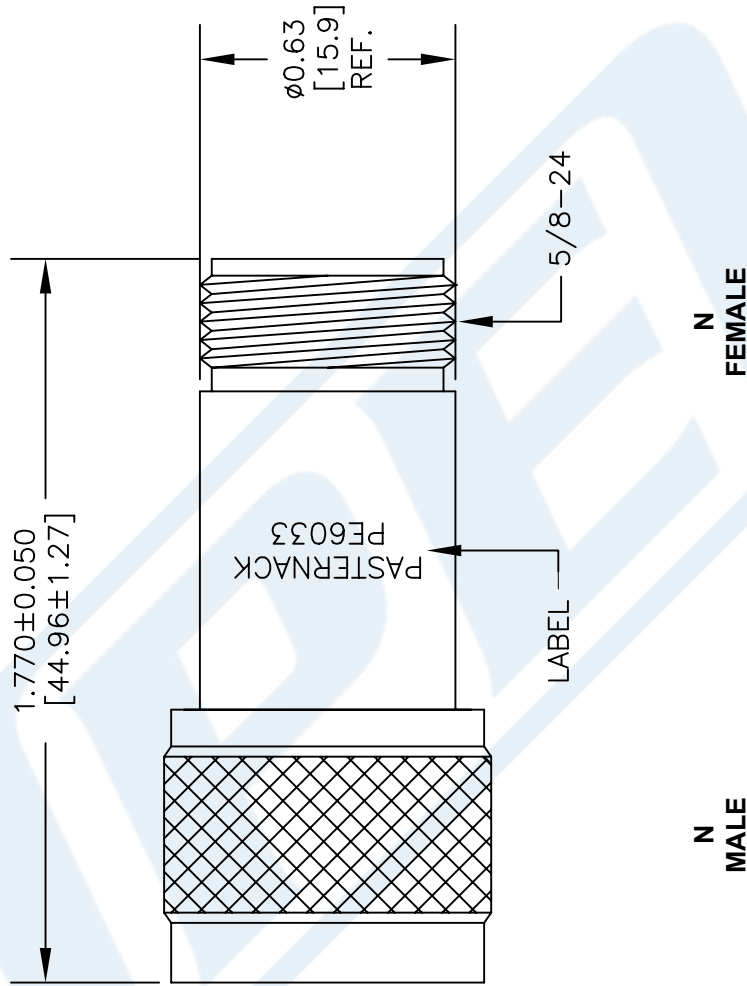
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Watt Feed-Thru Load Up to 1,000 MHz with N Male to Female Nickel Plated Brass PE6033](https://www.pasternack.com/2-watts-n-male-feed-thru-load-up-to-1-ghz-pe6033-p.aspx)

URL: <https://www.pasternack.com/2-watts-n-male-feed-thru-load-up-to-1-ghz-pe6033-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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE6033 CAD Drawing

2 Watt Feed-Thru Load Up to 1,000 MHz with N Male to Female Nickel Plated Brass



STANDARD TOLERANCES	
DECIMAL	±0.01
.XX	±0.005
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

NOTES:
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
 3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE
PE6033

FSCM NO. 53919

CAD FILE 040116

SCALE N/A

SIZE A

3045

PE PASTERNAK
 THE ENGINEER'S RF SOURCE

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