



2 Watt RF Load 6 GHz with 4.3-10 Male

RF Terminations Technical Data Sheet

PE6TR1121

Features

- 50 Ohm RF Load
- DC to 6 GHz Frequency Range
- VSWR 1.25:1 Max
- Max Power 2 Watt (CW)
- 4.3-10 Male Coaxial Interface

Applications

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

Description

RF termination (also called RF load or dummy load) PE6TR1121 from Pasternack operates from DC to 6 GHz and handles up to 2 Watts (CW). This 4.3-10 termination (or load) is a 50 Ohm impedance and has a Male gender. PE6TR1121 50 Ohm 4.3-10 load termination offers 1.25:1 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. Pasternack 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).

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Impedance		50		Ohms
VSWR			1.25:1	
Input Power (CW)			2	Watts
Input Power (Peak)			500	Watts

Mechanical Specifications

Size

Length	2 in [50.8 mm]
Width	0.71 in [18.03 mm]
Height	0.71 in [18.03 mm]
Weight	0.1 lbs [45.36 g]

Configuration

Connector	Threaded 4.3-10 Male
-----------	----------------------

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Watt RF Load 6 GHz with 4.3-10 Male PE6TR1121](#)



2 Watt RF Load 6 GHz with 4.3-10 Male

RF Terminations Technical Data Sheet

PE6TR1121

Material Specifications

Description	Material	Plating
Connector 1 Contact	Brass	Silver
Body	Aluminum	

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

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

Plotted and Other Data

Notes:

2 Watt RF Load 6 GHz with 4.3-10 Male from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

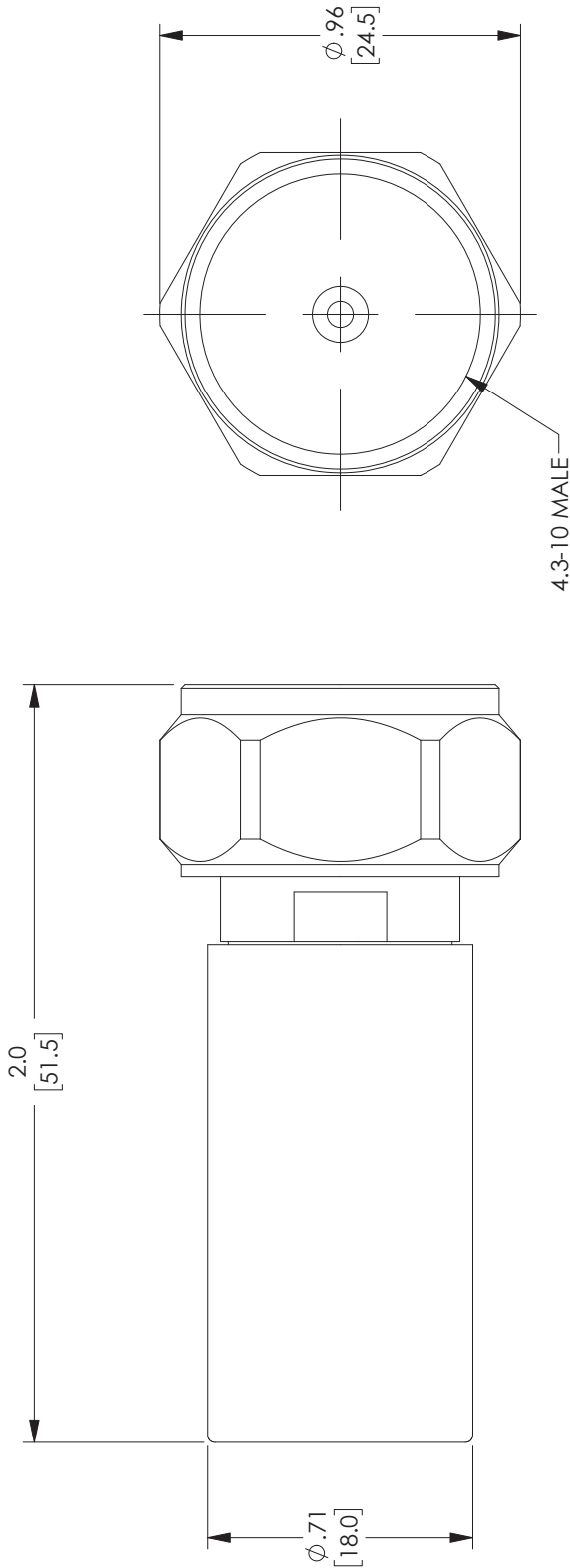
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Watt RF Load 6 GHz with 4.3-10 Male PE6TR1121](#)

URL: <https://www.pasternack.com/2-watts-4.3-10-male-rf-load-6-ghz-pe6tr1121-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.

PE6TR1121 CAD Drawing
2 Watt RF Load 6 GHz with 4.3-10 Male

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/08/2021	SPONG



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

TOLERANCES:

X = +.2	[5.08]	FRACTIONS
XX = +.02	[.51]	+1/32
XXX = ±.005	[.13]	ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305]	= +1 [25] / -0
12 [305] < L ≤ 60 [1524]	= +2 [51] / -0
60 [1524] < L ≤ 120 [3048]	= +4 [102] / -0
120 [3048] < L ≤ 300 [7620]	= +6 [152] / -0
300 [7620] < L	= +5% / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.



PASTERNAK
an INFINITI® brand

Pasternack Enterprises, Inc.
P. O. Box 16759, Irvine, CA 92623.
Phone: 1.949.261.1920 | 1.866.727.8376
Fax: 1.949.261.7451
Website: www.pasternack.com
E-mail: sales@pasternack.com

THIRD-ANGLE PROJECTION



THE INFORMATION AND
DESIGN IN THIS DOCUMENT
IS THE PROPERTY OF
PASTERNAK CORPORATION.
ALL RIGHTS RESERVED.

SHEET 1 OF 1

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	DFRISIELLO	PE6TR1121
			REV A

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.