



60 Watt RF Load Up to 2.7 GHz with
4.3-10 Male Black Anodized Aluminum

RF Terminations Technical Data Sheet

PE6TR1031A

Features

- IP67 Indoor/Outdoor Use (Totally dust tight and moisture protected from effects of prolonged immersion under pressure.)
- RF 50 Ohm Impedance
- 698 to 2,700 MHz Frequency Range
- VSWR 1.15:1
- Max Power 60 Watts (CW)
- Low PIM
- 4.3-10 Male Coaxial Interface
- DC Open

Applications

- Wireless
- SatCom
- Test and Measurement
- Commercial and Military Communication
- Base Station
- 4G/AWS/PCS

Description

Pasternack's PE6TR1031A is an RF cable termination (also called RF load or dummy load) that operates from 698 to 2,700 MHz and handles up to 60 Watts (CW). Our 4.3-10 termination / load is a 50 Ohm impedance and has a male gender. PE6TR1031A load termination offers 1.15:1 VSWR and low PIM (passive intermodulation) of -160 dBc. This Pasternack 60 Watts terminator has a heatsink body which is designed to provide adequate heat dissipation within its full frequency of operation.

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, hybrids, and combiners. 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	0.698		2.7	GHz
Impedance		50		Ohms
VSWR		1.05:1	1.15:1	
Return Loss		32	23	dB
Passive Intermodulation	-160			dBc
Input Power (CW)			60	Watts

Mechanical Specifications

Size

Length	6.77 in [171.96 mm]
Width	1.48 in [37.59 mm]
Height	4.2 in [106.68 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [60 Watt RF Load Up to 2.7 GHz with 4.3-10 Male Black Anodized Aluminum PE6TR1031A](#)



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Weight 1.6105 lbs [730.51 g]

Configuration

Connector 4.3-10 Male

Material Specifications

Description	Material	Plating
Housing	Black Anodized Aluminum	

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

Plotted and Other Data

Notes:

60 Watt RF Load Up to 2.7 GHz with 4.3-10 Male Black Anodized Aluminum 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.

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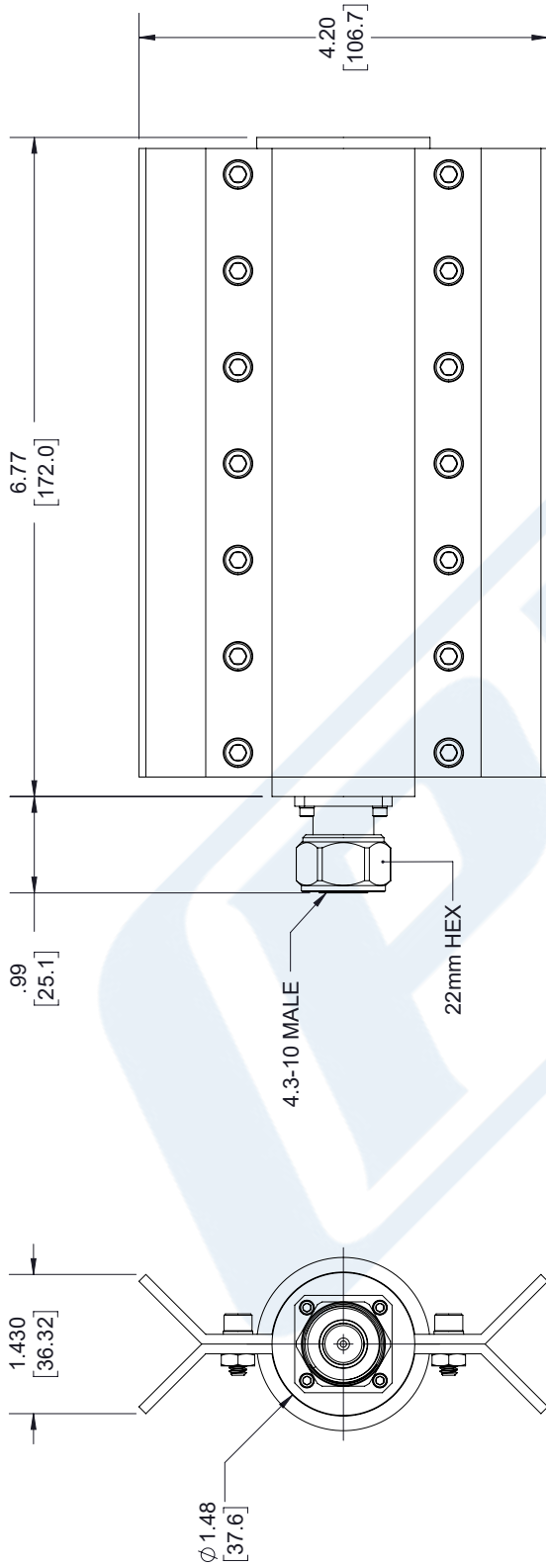
URL: <https://www.pasternack.com/60-watts-4.3-10-male-rf-load-2.7-ghz-low-pim-pe6tr1031a-p.aspx>

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.

PE6TR1031A CAD Drawing

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/19/19	S.PONG



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

TOLERANCES:
X±.2 [5.08] FRACTIONS
.XX±.01 [.25] ±.132
.XXX±.005 [.13] ANGLES ± 1°

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

PE PASTERNAK
an INFINITO brand

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SIZE: A CAGE: 53919 DRAWN BY: K.DANG PART NUMBER: PE6TR1031A REV: A

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SHEET 1 OF 1
SCALE: N/A

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