



## 50 Watt RF Load Up to 3 GHz with 7/16 DIN Male Square Body Black Anodized Aluminum Heatsink

### RF Terminations Technical Data Sheet

PE6191

#### Features

- DC to 3 GHz Frequency Range
- VSWR 1.15:1 Max
- Max Power 50 Watt (CW)
- 7/16 DIN Male Coaxial Interface

#### Applications

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

#### Description

Pasternack's PE6191 is an RF termination (also called RF load or dummy load) that operates from DC to 3 GHz and handles up to 50 Watt (CW). Our 7/16 DIN termination / load has a male gender. PE6191 7/16 DIN load termination offers 1.15:1 max VSWR. This Pasternack 50W 7/16 DIN 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 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. 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 Watt (CW).

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
VSWR			1.15:1	
Passive Intermodulation	-100			dBc
Input Power (CW) derated linearly to 5W at +125°C			50	Watts
Input Power (Peak) 5μs pulse, 0.5% duty cycle			10	kWatts

#### Electrical Specification Notes:

Passive intermodulation measured with two 20W signals at 935 MHz and 960 MHz.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Watt RF Load Up to 3 GHz with 7/16 DIN Male Square Body Black Anodized Aluminum Heatsink PE6191](#)



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Square Body Black Anodized Aluminum Heatsink

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### Mechanical Specifications

#### Size

Length	4.57 in [116.08 mm]
Width	2.36 in [59.94 mm]
Height	2.36 in [59.94 mm]
Weight	3.117 lbs [1.41 kg]

#### Configuration

Connector	7/16 DIN Male
Hex Size	7/16 Inch
Mating Torque	221 in-lbs [24.97 Nm]

### Material Specifications

Description	Material	Plating
Connector 1 Contact	Brass	Gold
Body	Brass	Nickel
Coupling Nut	Brass	Nickel
Housing	Black Anodized Aluminum Heatsink	

### Environmental Specifications

#### Temperature

Operating Range	-55 to +125 deg C
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**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

Notes:

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50 Watt RF Load Up to 3 GHz with 7/16 DIN Male Square Body Black Anodized Aluminum Heatsink 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: [50 Watt RF Load Up to 3 GHz with 7/16 DIN Male Square Body Black Anodized Aluminum Heatsink PE6191](https://www.pasternack.com/50-watts-7-16-male-rf-load-up-to-3-ghz-pe6191-p.aspx)

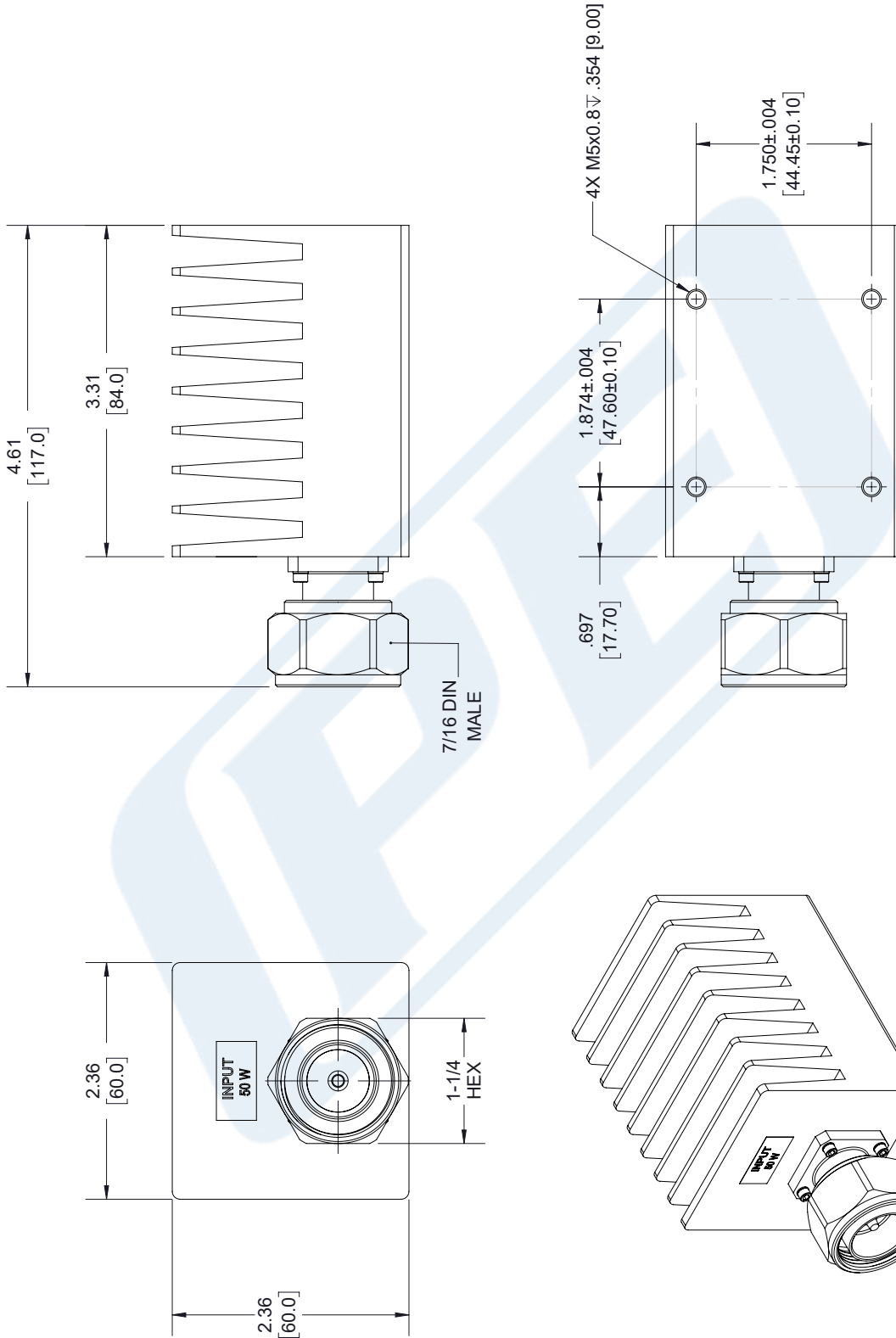
URL: <https://www.pasternack.com/50-watts-7-16-male-rf-load-up-to-3-ghz-pe6191-p.aspx>

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# PE6191 CAD Drawing

50 Watt RF Load Up to 3 GHz with 7/16 DIN Male Square  
Body Black Anodized Aluminum Heatsink

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.2	PCR PE6191 20190318	03/18/19	J.GARCIA



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X ± .2 [5.08]	± .132
XX ± .01 [.25]	± .005
XXX ± .005 [.13]	± .001
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

<b>PE PASTERNAK</b> 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 www.pasternack.com   e-mail: sales@pasternack.com	
SIZE	DRAWN BY
A	53919
CAGE	K.DANG
PART NUMBER	PE6191
REV	1.2

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SHEET	1 OF 1
SCALE	N/A

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