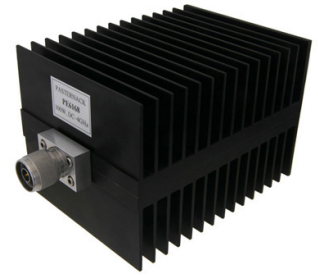


High Power 100 Watt RF Load Up to 4 GHz With N Male Input Square Body Black Anodized Aluminum Heatsink



PE6168

Features

- High Power RF Load
- DC to 4 GHz Frequency Range
- VSWR 1.25:1 Typ
- Max Power 100 Watt (CW)
- N Male Coaxial Interface

Applications

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

Description

Pasternack's PE6168 is a high power RF termination (also called RF load or dummy load) that operates from DC to 4 GHz and handles up to 100 Watt (CW). Our N termination / load has a male gender. PE6168 N load termination offers 1.25:1 typ VSWR. This Pasternack high power 100W N 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, 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		4	GHz
Impedance		50		Ohms
VSWR, Input		1.25:1		
Input Power (CW)			100	Watts
Input Power (Peak)			5	kWatts
5μs duration				

Performance by Frequency

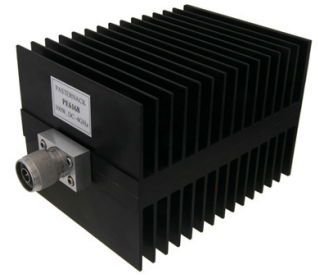
Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 2	2 to 4				GHz
VSWR, Input Typ	1.15:1	1.25:1				

Mechanical Specifications

Size

Length	5.89 in [149.61 mm]
Width	4.33 in [109.98 mm]
Height	4.06 in [103.12 mm]
Weight	2.82 lbs [1.28 kg]
Package Type	Connectorized

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PE6168

Configuration

Connector N Male

Material Specifications

Description	Material	Plating
Connector 1 Body	Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel	
Housing	Black Anodized Aluminum Heatsink	

Environmental Specifications

Temperature

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

Plotted and Other Data

Notes:

High Power 100 Watt RF Load Up to 4 GHz With N Male Input 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: [High Power 100 Watt RF Load Up to 4 GHz With N Male Input Square Body Black Anodized Aluminum Heatsink PE6168](#)

URL: <https://www.pasternack.com/100-watts-n-male-rf-load-up-to-4-ghz-pe6168-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. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE6168 CAD Drawing

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