



10 Watt RF Load Up to 12.4 GHz With N
Female Input Aluminum Body

RF Terminations Technical Data Sheet

PE6TR1139

Features

- DC to 12.4GHz Frequency Range
- 50 Ohm Impedance
- N Female Coaxial Interface
- Max VSWR 1.35:1
- Max Power 10 Watts (CW)

Applications

- WIFI 6E
- 5G Cellular Bands
- SatCom
- Radar Systems
- Test and Measurement
- Commercial and Military
- Communication

Description

Pasternack's PE6TR1139 is an RF termination (also called RF load or dummy load) that operates from DC to 12.4 GHz and handles up to 10 Watt (CW). Our N termination / load has a female gender. PE6TR1139 N load termination offers 1.35:1 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 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		12.4	GHz
Impedance		50		Ohms
VSWR			1.35:1	
Input Power (CW) Derated linearly to 1W at 125°C			10	Watts
Input Power (Peak) 5 μ s pulse, 1% Duty Cycle			1	kWatts

Mechanical Specifications

Size	
Length	2.2 in [55.88 mm]
Width	1.5 in [38.1 mm]
Height	1.5 in [38.1 mm]
Weight	0.17 lbs [77.11 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [10 Watt RF Load \(Termination\) Up to 12.4 GHz With N Female Input Black Anodized Aluminum Body PE6TR1139](#)



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Configuration

Connector

N Female

Termination Design

RF Load

Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold
Body	Black Anodized Aluminum	
Housing	Black Anodized Aluminum	

Environmental Specifications

Temperature

Operating Range

-55 to +85 deg C

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

Plotted and Other Data

Notes:

10 Watt RF Load Up to 12.4 GHz With N Female Input Aluminum Body 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.

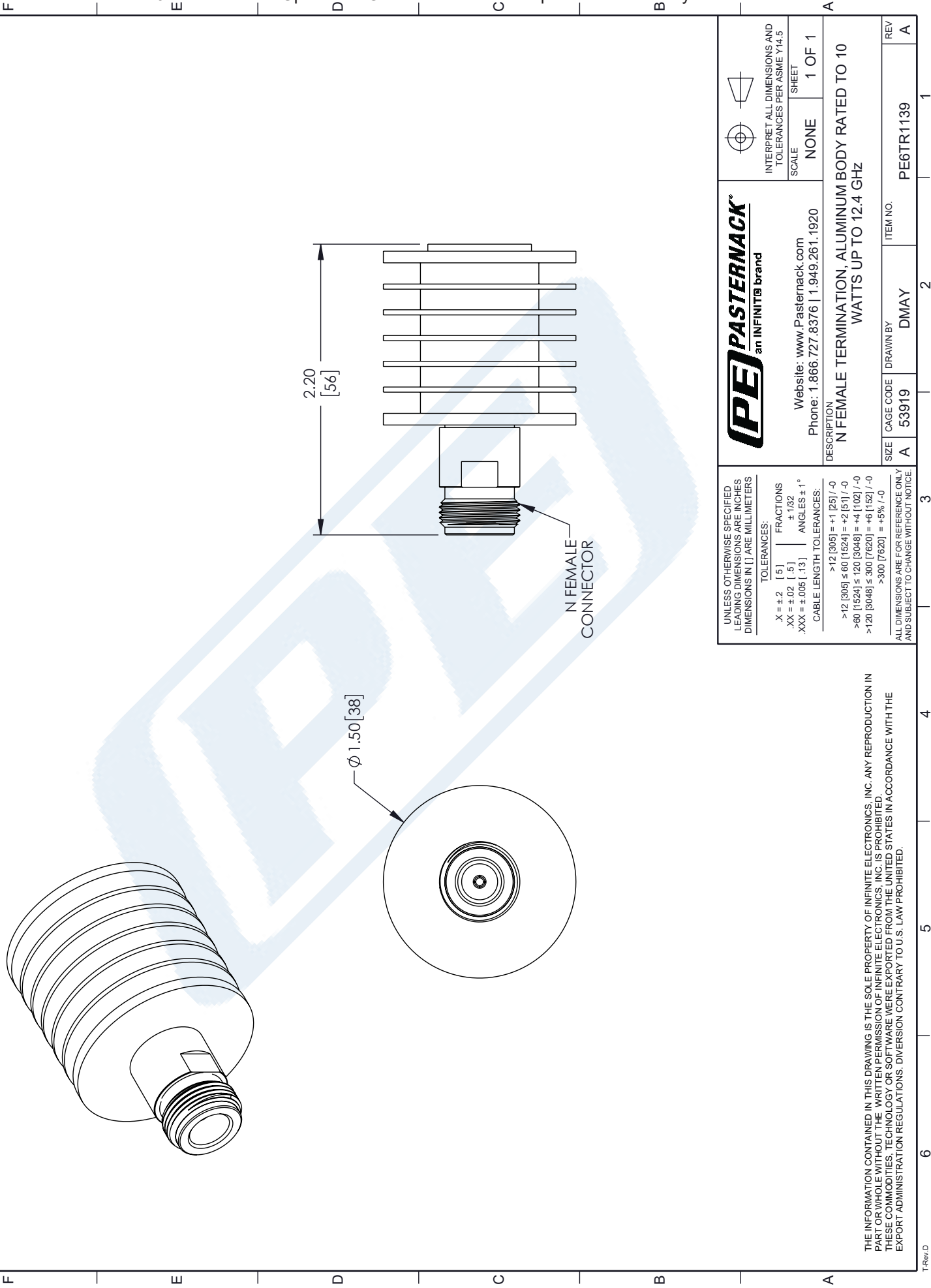
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [10 Watt RF Load \(Termination\) Up to 12.4 GHz With N Female Input Black Anodized Aluminum Body PE6TR1139](#)

URL: <https://www.pasternack.com/10-watts-n-female-rf-load-12.4-ghz-pe6tr1139-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.

PE6TR1139 CAD Drawing

10 Watt RF Load Up to 12.4 GHz With N Female Input Aluminum Body



ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A	INITIAL RELEASE	01/30/2023	DMAY	SPONG

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS			PE PASTERNAK® an INFINITI® brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5
TOLERANCES:			Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE NONE
X = ±.2 [5] FRACTIONS .XX = ±.02 [.5] ± 1/32			DESCRIPTION N FEMALE TERMINATION, ALUMINUM BODY RATED TO 10 WATTS UP TO 12.4 GHz		SHEET 1 OF 1
.XXX = ±.005 [.13] ANGLES ± 1°			CABLE LENGTH TOLERANCES:		
			>12 [305] = +1 [25] / -0		
			>12 [305] ≤ 60 [1524] = +2 [51] / -0		
			>60 [1524] ≤ 120 [3048] = +4 [102] / -0		
			>120 [3048] ≤ 300 [7620] = +6 [152] / -0		
			>300 [7620] = +5% / -0		
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE			SIZE A	CAGE CODE 53919	ITEM NO. DMAY
			DRAWN BY DMAY		REV A
			PE6TR1139		

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