



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

RF Terminations Technical Data Sheet

PE6TR1141

Features

- DC to 12.4GHz Frequency Range
- 50 Ohm Impedance
- TNC 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 PE6TR1141 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 TNC termination / load has a female gender. PE6TR1141 TNC 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	2.28 in [57.91 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 TNC Female Input Black Anodized Aluminum Body PE6TR1141](#)



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Configuration

Connector
Termination Design

TNC Female
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 TNC 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 TNC Female Input Black Anodized Aluminum Body PE6TR1141](#)

URL: <https://www.pasternack.com/10-watts-tnc-female-rf-load-12.4-ghz-pe6tr1141-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.

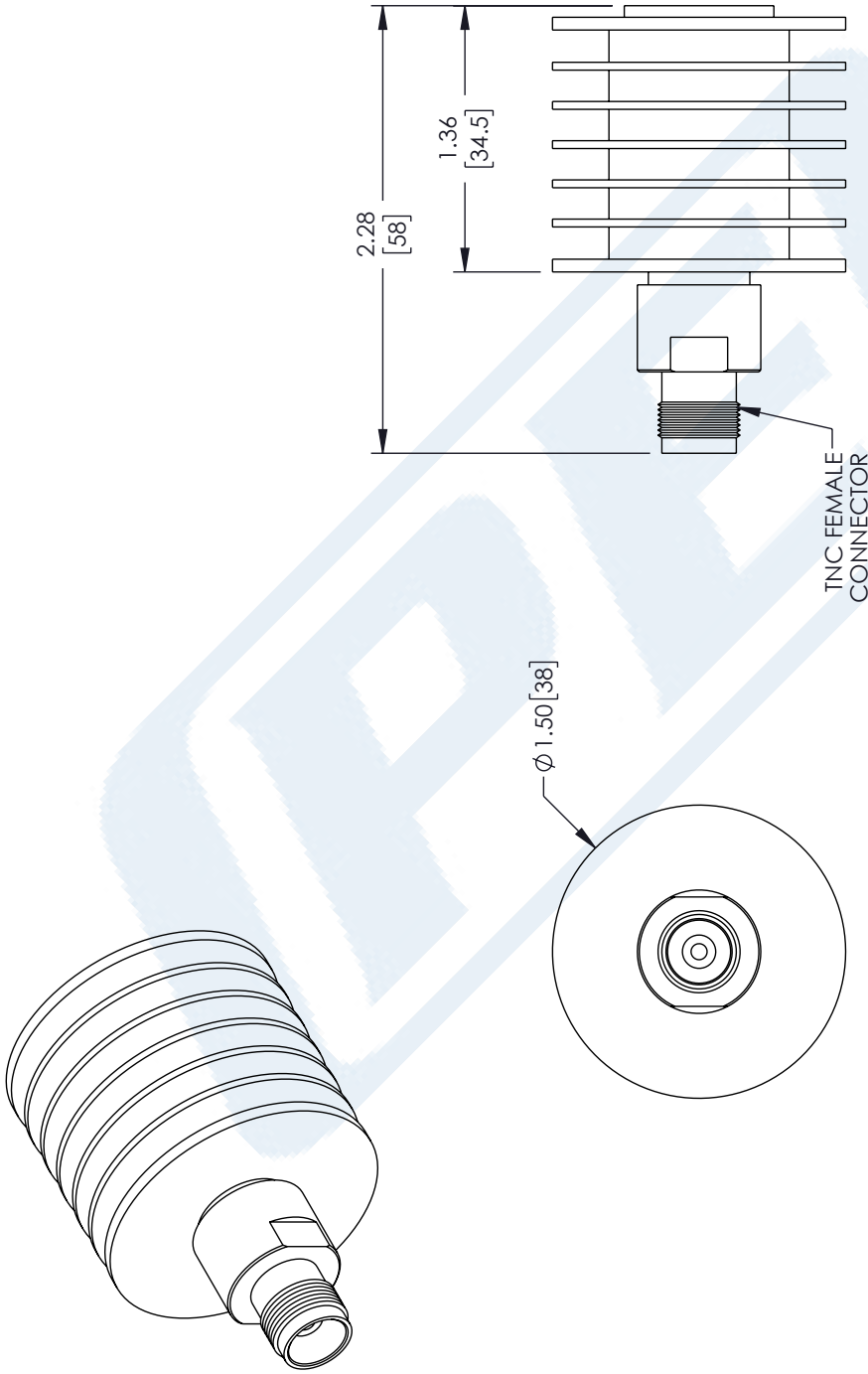
PE6TR1141 CAD Drawing

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

F E D C B A

F E D C B A

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



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

TOLERANCES:
X = ±.2 [5] FRACTIONS
.XX = ±.02 [.5] ± 1/32
.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

PE PASTERNAK®
an INFINITI® brand

Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION
TNC FEMALE TERMINATION, ALUMINUM BODY RATED TO 10 WATTS UP TO 12.4 GHz

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE NONE

SHEET 1 OF 1

SIZE A

CAGE CODE 53919

DRAWN BY DMAY

ITEM NO. PE6TR1141

REV A

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