

5 Watt RF Load (Termination) Up to 6 GHz With NEX10 Male Input Aluminum Body



PE6TR1160

Features

- DC to 6 GHz Frequency Range
- 50 Ohm Impedance
- NEX10 Male Coaxial Interface
- Max VSWR 1.25:1
- Max Power 5 Watts (CW)

Applications

- 5G Cellular Bands
- SatCom
- Radar Systems
- Test and Measurement
- Commercial and Military Communication
- DAS Systems

Description

Pasternack's PE6TR1160 is an RF termination (also called RF load or dummy load) that operates from DC to 6 GHz and handles up to 5 Watt (CW). Our NEX10 termination / load has a male gender. PE6TR1160 NEX10 load termination offers 1.25:1 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		6	GHz
Impedance		50		Ohms
VSWR, Input			1.25:1	
Input Power (CW)			5	Watts
Input Power (Peak)			50	Watts
20μs pulse, 8% duty cycle				

Mechanical Specifications

Size

Length	1.52 in [38.61 mm]
Width	0.63 in [16 mm]
Height	0.63 in [16 mm]
Weight	0.05 lbs [22.68 g]
Package Type	Connectorized

Configuration

Connector	NEX10 Male
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Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Silver

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Material Specifications

Description	Material	Plating
Insulation	PTFE	
Connector 1 Body	Brass	Tri-Metal
Housing	Aluminum	

Environmental Specifications

Temperature

Operating Range	-40 to +75 deg C
Storage Range	-50 to +85 deg C
Humidity	<95%
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6-Fc
Altitude	<5000m
Thermal Shock	IEC 60068-2-14-Na

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

Plotted and Other Data

Notes:

5 Watt RF Load (Termination) Up to 6 GHz With NEX10 Male 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.

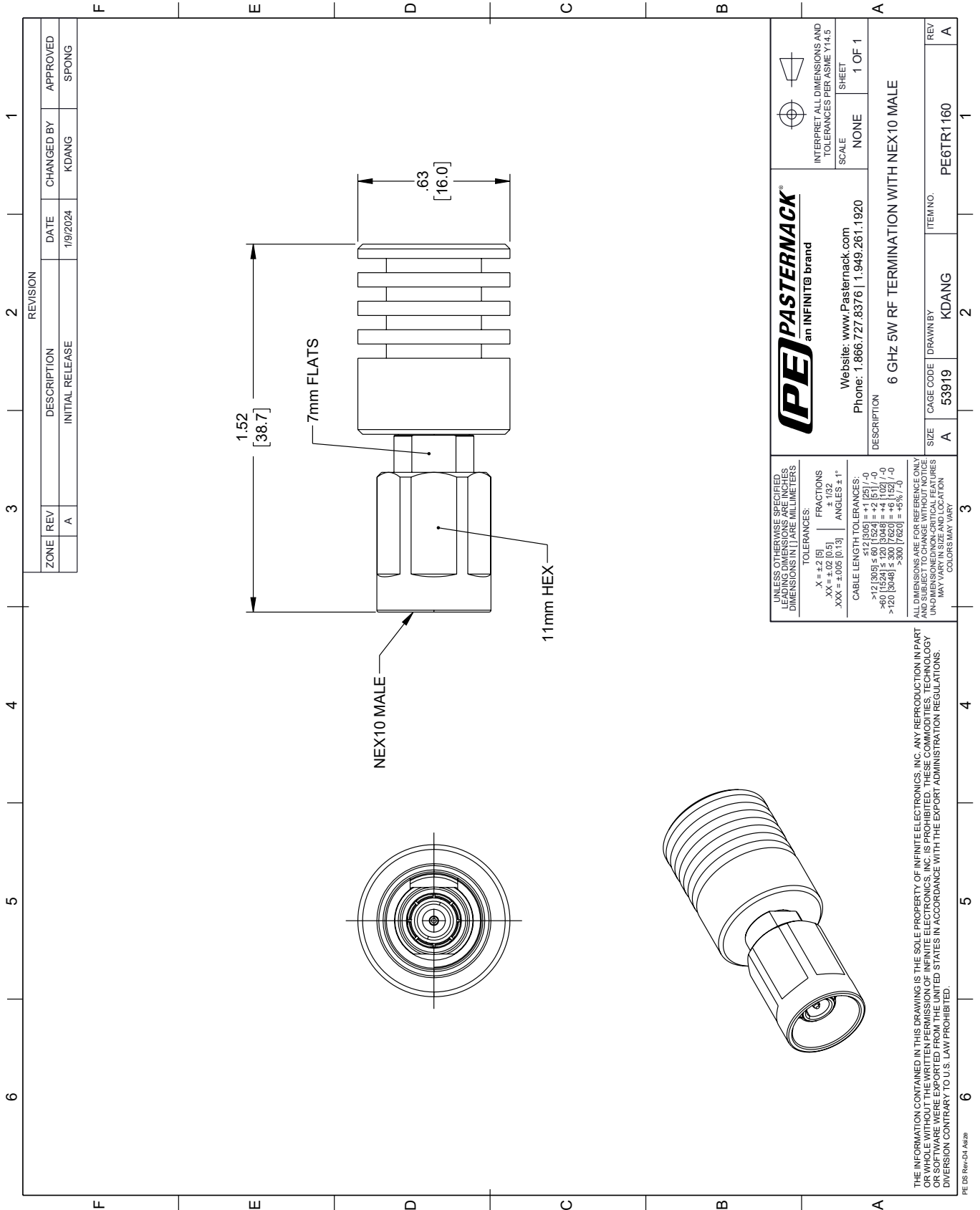
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [5 Watt RF Load \(Termination\) Up to 6 GHz With NEX10 Male Input Aluminum Body PE6TR1160](#)

URL: <https://www.pasternack.com/5-watts-nex10-male-rf-load-6-ghz-pe6tr1160-p.aspx>

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PE6TR1160 CAD Drawing

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REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	1/9/2024	KDANG	SPONG

PE PASTERNAK
an INFINITE brand

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SCALE: NONE
SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

DESCRIPTION: 6 GHz 5W RF TERMINATION WITH NEX10 MALE

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	KDANG	PE6TR1160

REV: A

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

TOLERANCES:

.X = ±.2 [5]	FRACTIONS ± 1/32
.XX = ±.02 [0.5]	ANGLES ± 1°
.XXX = ±.005 [0.13]	

CABLE LENGTH TOLERANCES:

<12 [305] ≤ 60 [1524] = +2 [51] / -0
>60 [1524] ≤ 120 [3048] = +4 [102] / -0
>120 [3048] ≤ 300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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