

30 dB Fixed Attenuator TNC Male to TNC
Female Black Anodized Aluminum Heatsink
Body Rated 5 Watt DC to 18 GHz



PE7625-30

Features

- DC to 18 GHz Frequency Range
- TNC Connectorized Design
- Attenuation 30 dB \pm 1 dB
- Max Power 5 Watts (CW)
- Max VSWR of 1.3:1

Applications

- Instrumentation
- Precision Measurements
- Prototyping and Characterization
- Production Systems

Description

Pasternack carries a wide range of fixed attenuators with a broad selection of attenuation levels, frequency ranges, and power dissipation ranges. RF microwave attenuators (also known as RF pads) lower the amplitude of a signal (attenuate) a known amount and can be used in a wide variety of applications. These attenuator pads are used when a signal needs to be reduced to protect measurement equipment or other circuitry, to extend the range of power meters and amplifiers, and to impedance match circuits by reducing the VSWR seen by adjacent components. RF attenuators can prevent signal overload in amplifiers, receivers and detectors, adjusting the signal level to a range that is optimal.

Few RF components are as commonly used as fixed coaxial attenuators, and Pasternack carries one of the largest in-stock varieties and ships them same day. The 30 dB Fixed Attenuator PE7625-30 is rated to 5 Watts and operates from DC to 18 GHz. The versatile coaxial package uses TNC male to TNC female connectors.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
Nominal Attenuation		30		dB
Attenuation Accuracy		\pm 1		dB
VSWR			1.3:1	
Input Power, CW			5	Watts
Derated linearly to 0.5W @ 125°C				
Input Power, Peak			500	Watts
5 μ Sec PW, 1% duty cycle				

Mechanical Specifications

Size

- Length 1.65 in [41.91 mm]
- Width/Diameter 0.62 in [15.75 mm]
- Height 0.62 in [15.75 mm]
- Weight 0.01 lbs [4.54 g]
- Body Material and Plating Black Anodized Aluminum

Configuration

- Design Fixed, Bidirectional
- Package Style Connectorized

30 dB Fixed Attenuator TNC Male to TNC
Female Black Anodized Aluminum Heatsink
Body Rated 5 Watt DC to 18 GHz



PE7625-30

Connectors

Description	Connector 1	Connector 2
Type	TNC Male	TNC Female
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Body Material and Plating	Brass, Nickel	Brass, Nickel

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data

30 dB Fixed Attenuator TNC Male to TNC Female Black Anodized Aluminum Heatsink Body Rated 5 Watt DC to 18 GHz 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.

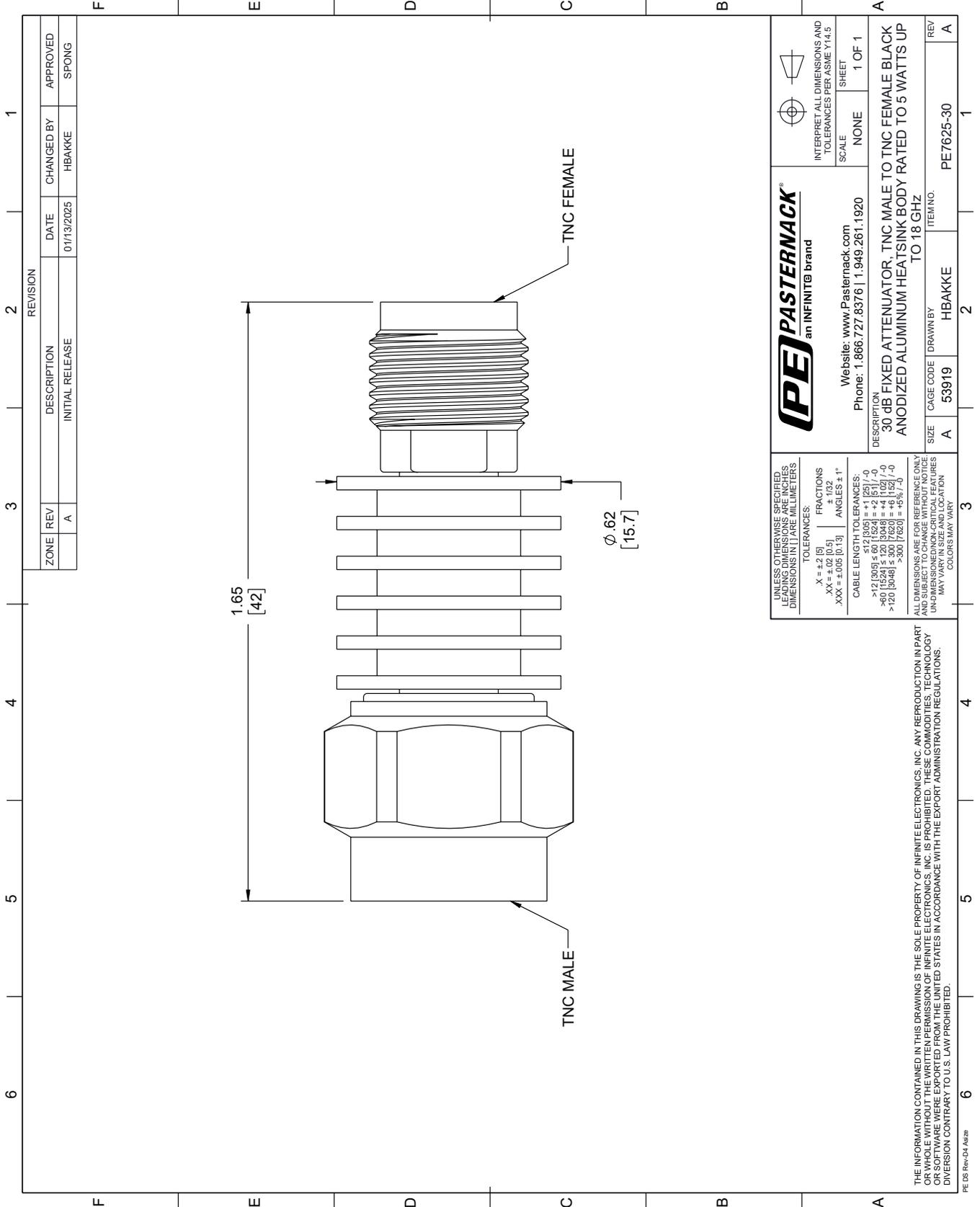
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [30 dB Fixed Attenuator TNC Male to TNC Female Black Anodized Aluminum Heatsink Body Rated 5 Watt DC to 18 GHz PE7625-30](#)

URL: <https://www.pasternack.com/30db-fixed-tnc-male-tnc-female-5-watts-attenuator-pe7625-30-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.

PE7625-30 CAD Drawing

30 dB Fixed Attenuator TNC Male to TNC Female Black Anodized Aluminum Heatsink Body Rated 5 Watt DC to 18 GHz



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	DESCRIPTION	INITIAL RELEASE	
	A			SPONG

 PASTERNAK an INFINIT® brand		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND TRAILING DIMENSIONS IN MILLIMETERS. TOLERANCES: .X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13]		FRACTIONS: ± 1/32 ANGLES: ± 1°	
CABLE LENGTH TOLERANCES: >12 [305] ≤ 60 [1524] = ±.1 [25] / -0 >60 [1524] ≤ 120 [3048] = ±.1 [25] / -0 >120 [3048] ≤ 300 [7620] = ±.5% / -0			
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND LOCATIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.			
DESCRIPTION	SIZE	CAGE CODE	ITEM NO.
30 dB FIXED ATTENUATOR, TNC MALE TO TNC FEMALE BLACK ANODIZED ALUMINUM HEATSINK BODY RATED TO 5 WATTS UP TO 18 GHz	A	53919	PE7625-30
DRAWN BY	DATE	REV	
HBAKKE		A	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SERVICES ARE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

PE DS Rev-D4 Add2