PASTERNACK
an INFINITE brand

30dB RF fixed attenuator 2W, DC to 18GHz, TNC male to female, Brass

RF Fixed Attenuators Technical Data Sheet PE7605-30

Features

- Bidirectional
- DC to 18 GHz Range
- Attenuation 30 +/- 1.2 dB
- 2 Watts Average Input Power
- VSWR <1.40:1

Applications

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

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 attenuators 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 Attenuators PE7605-30 is rated to 2 Watts and operates from DC to 18 GHz. The versatile coaxial package uses TNC male to TNC female brass connectors and is also REACH and RoHS compliant.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
Nominal Attenuation		30		dB
VSWR			1.4:1	
Input Power, CW			2	Watts
Input Power, Peak 5µs pulse w/ 0.4% duty cycle			500	Watts

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 30dB RF fixed attenuator 2W, DC to 18GHz, TNC male to female, Brass PE7605-30

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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Mechanical Specifications

Size

Length	3.03149 in [77 mm]
Width/Diameter	0.7874 in [20 mm]
Height	0.7874 in [20 mm]
Weight	0.155 lbs [70.31 g]
Body Material and Plating	Brass, Nickel

Configuration

Design	Fixed, Bidirectional

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	+125 to -55 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

30dB RF fixed attenuator 2W, DC to 18GHz, TNC male to female, Brass 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.

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PE7605-30 CAD Drawing

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