

6 dB Fixed Attenuator, TNC Male to TNC Female
Directional Black Anodized Aluminum Heatsink
Body Rated to 100 Watts Up to 1.5 GHz



PE7056-6

Features

Applications

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 6 dB Fixed Attenuator PE7056-6 is rated to 100 Watts and operates from DC to 1.5 GHz. The versatile coaxial package uses TNC male to TNC female connectors and is also REACH and RoHS compliant. The Black Anodized Aluminum Heatsink body allows for efficient heat dissipation under high power usage conditions.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1.5	GHz
Impedance		50		Ohms
Nominal Attenuation		6		dB
VSWR			1.15:1	
Input Power, CW			100	Watts
Input Power, Peak			10	kWatts

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 1.5					GHz
Attenuation Accuracy, Typ	0.5					dB

Mechanical Specifications

Size

Length	6.525 in [165.74 mm]
Width/Diameter	3.46 in [87.88 mm]
Height	3.46 in [87.88 mm]
Weight	2.53 lbs [1.15 kg]
Body Material and Plating	Black Anodized Aluminum Heatsink

Configuration

Design	Fixed, Directional
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Connectors

Description	Connector 1	Connector 2
Type	TNC Male	TNC Female

Environmental Specifications

Temperature

Operating Range -65 to +125 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data

6 dB Fixed Attenuator, TNC Male to TNC Female Directional Black Anodized Aluminum Heatsink Body Rated to 100 Watts Up to 1.5 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: [6 dB Fixed Attenuator, TNC Male to TNC Female Directional Black Anodized Aluminum Heatsink Body Rated to 100 Watts Up to 1.5 GHz PE7056-6](#)

URL: <https://www.pasternack.com/6db-fixed-tnc-male-tnc-female-100-watts-attenuator-pe7056-6-p.aspx>

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