



6 dB Fixed Attenuator, TNC Male to TNC Female
Brass Body Rated to 2 Watts, DC to 12 GHz

RF Fixed Attenuators Technical Data Sheet

PE7469-6

Features

- DC to 12 GHz Frequency Range
- TNC Connectorized Design
- Attenuation 6 dB \pm 1 dB
- Max Power 2 Watts (CW)
- Max VSWR of 1.35:1

Applications

- Instrumentation
- Precision Measurements
- Prototyping and Characterization
- Production Systems
- WIFI 6E
- 5G Cellular bands

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 PE7469-6 is rated to and operates from DC to 12 GHz. The versatile coaxial package uses TNC female to TNC male connectors.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|---------------------|---------|---------|---------|-------|
| Frequency Range | DC | | 12 | GHz |
| Impedance | | 50 | | Ohms |
| Nominal Attenuation | | 6 | | dB |
| VSWR | | | 1.35:1 | |
| Input Power, CW | | | 2 | Watts |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|---------------------------|---------|--------|---------|----------|----|-------|
| Frequency Range | DC to 2 | 2 to 5 | 5 to 10 | 10 to 12 | | GHz |
| VSWR, Max | 1.15:1 | 1.25:1 | 1.35:1 | 1.35:1 | | |
| Attenuation Accuracy, Typ | 0.2 | 0.3 | 0.5 | 1 | | dB |

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 Brass Body Rated to 2 Watts, DC to 12 GHz PE7469-6](#)



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Mechanical Specifications

Size

| | |
|---------------------------|--------------------|
| Length | 2.09 in [53.09 mm] |
| Width/Diameter | 0.63 in [16 mm] |
| Height | 0.63 in [16 mm] |
| Weight | 0.09 lbs [40.82 g] |
| Body Material and Plating | Brass, Tri-Metal |

Configuration

| | |
|---------------|-----------------------|
| Design | Fixed, Bi-Directional |
| Package Style | Conectorized |

Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------|-----------------------|-----------------------|
| Type | TNC Female | TNC Male |
| Contact Material and Plating | Phosphor Bronze, Gold | Phosphor Bronze, Gold |
| Dielectric Type | Teflon | Teflon |
| Body Material and Plating | Brass, Tri-Metal | Brass, Tri-Metal |

Environmental Specifications

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

Plotted and Other Data

Notes:

6 dB Fixed Attenuator, TNC Male to TNC Female Brass Body Rated to 2 Watts, DC to 12 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.

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URL: <https://www.pasternack.com/6db-fixed-tnc-female-tnc-male-0-watts-attenuator-pe7469-6-p.aspx>

PE7469-6 CAD Drawing

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