

20 dB Fixed Attenuator, 7/16 DIN Male To 7/16 DIN  
Female Directional Black Anodized Aluminum Heatsink  
Body Rated To 100 Watts Up To 1.5 GHz



## PE7043-20

### 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 20 dB Fixed Attenuator PE7043-20 is rated to 100 Watts and operates from DC to 1.5 GHz. The versatile coaxial package uses 7/16 DIN male to 7/16 DIN 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 |         | 20      |         | dB    |
| VSWR                |         |         | 1.25:1  |       |
| Input Power, CW     |         |         | 100     | Watts |

### Specifications by Frequency

| Description               | F1        | F2 | F3 | F4 | F5 | Units |
|---------------------------|-----------|----|----|----|----|-------|
| Frequency Range           | DC to 1.5 |    |    |    |    | GHz   |
| Attenuation Accuracy, Typ | 0.75      |    |    |    |    | dB    |

### Mechanical Specifications

#### Size

|                           |                                  |
|---------------------------|----------------------------------|
| Length                    | 7.415 in [188.34 mm]             |
| Width/Diameter            | 3.465 in [88.01 mm]              |
| Height                    | 3.465 in [88.01 mm]              |
| Weight                    | 3.32 lbs [1.51 kg]               |
| Body Material and Plating | Black Anodized Aluminum Heatsink |

#### Configuration

|        |                    |
|--------|--------------------|
| Design | Fixed, Directional |
|--------|--------------------|

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### Connectors

| Description | Connector 1            | Connector 2     |
|-------------|------------------------|-----------------|
| Type        | 7/16 DIN Male          | 7/16 DIN Female |
| Hex Size    | 32 mm                  |                 |
| Torque      | 18.417 ft-lbs 24.97 Nm |                 |

### 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

20 dB Fixed Attenuator, 7/16 DIN Male To 7/16 DIN 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.

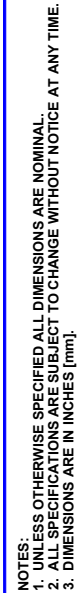
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [20 dB Fixed Attenuator, 7/16 DIN Male To 7/16 DIN Female Directional Black Anodized Aluminum Heatsink Body Rated To 100 Watts Up To 1.5 GHz PE7043-20](#)

URL: <https://www.pasternack.com/20db-fixed-7-16-male-7-16-female-100-watts-attenuator-pe7043-20-p.aspx>

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A diagram of a square loop circuit. The left vertical branch contains a voltage source represented by a circle with a '+' sign inside. The top and bottom horizontal branches are connected to two parallel horizontal lines. A dimension line on the left indicates a distance of 3.46 between the two horizontal lines, with a range of [87.8] SQ.



**PE7043**

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