



1 dB Fixed Attenuator, 75 Ohm N Male to 75 Ohm N Female  
Passivated Stainless Steel Body Rated to 2 Watts Up to 4 GHz

## RF Fixed Attenuators Technical Data Sheet

PE7044-1

### 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 1 dB Fixed Attenuator PE7044-1 is rated to 2 Watts and operates from DC to 4 GHz. The versatile coaxial package uses type N male to type N female connectors and is also REACH and RoHS compliant.

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
Impedance		75		Ohms
Nominal Attenuation		1		dB
VSWR			1.3:1	
Input Power, CW			2	Watts

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	DC to 4					GHz
Attenuation Accuracy, Typ	±0.4					dB

### Mechanical Specifications

#### Size

Length

1.91 in [48.51 mm]

Width/Diameter

0.8 in [20.32 mm]

Weight

0.127 lbs [57.61 g]

Body Material and Plating

Passivated Stainless Steel

#### Configuration

Design

Fixed, Bidirectional

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1 dB Fixed Attenuator, 75 Ohm N Male to 75 Ohm N Female Passivated Stainless Steel Body Rated to 2 Watts Up to 4 GHz PE7044-1](#)

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Description	Connector 1	Connector 2
Type	N Male	N Female
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Outer Conductor Material and Plating	Beryllium Copper, Gold	
Coupling Nut Material and Plating	Brass, Nickel	
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel

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

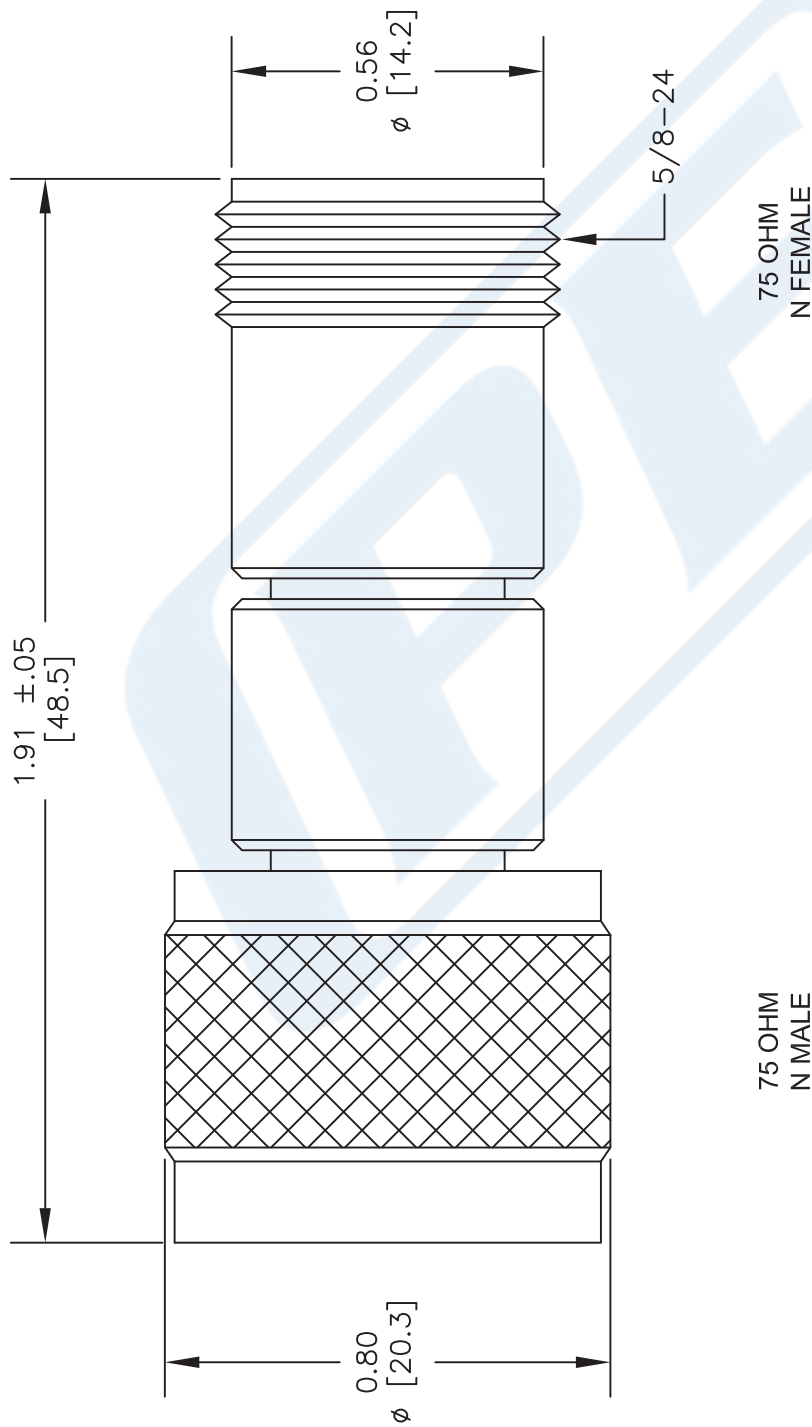
Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1 dB Fixed Attenuator, 75 Ohm N Male to 75 Ohm N Female Passivated Stainless Steel Body Rated to 2 Watts Up to 4 GHz PE7044-1](#)

URL: <https://www.pasternack.com/1db-fixed-n-male-n-female-2-watts-attenuator-pe7044-1-p.aspx>

PE7044-1 CAD Drawing

1 dB Fixed Attenuator, 75 Ohm N Male to 75 Ohm N Female Passivated  
Stainless Steel Body Rated to 2 Watts Up to 4 GHz



P/N	ATTEN.
PE7044-1	1 dB
PE7044-2	2 dB
PE7044-3	3 dB
PE7044-6	6 dB
PE7044-10	10 dB
PE7044-20	20 dB
PE7044-30	30 dB

STANDARD TOLERANCES

.X

±0.2

.XX

±0.1

.XXX

±0.05

\*STANDARD TOLERANCES APPLY

ONLY TO DIMENSIONS IN INCHES

PE

PASTERNACK®

THE ENGINEER'S RF SOURCE

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DWG TITLE

PE7044

CAGE CODE

53919

NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.

2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.

3. DIMENSIONS ARE IN INCHES [mm].

CAD FILE

111116

SCALE

N/A

SIZE

A

2233

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PE7044-1 REV 1.2

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