

2 dB Fixed Attenuator 75 Ohm BNC Male to 75 Ohm BNC Female Brass Tri-Metal body rated 1 Watt DC to 1 GHz



PE7751-2

Features

- DC to 1 GHz Frequency Range
- BNC Connectorized Design
- Attenuation 2 dB $\pm$ 0.5 dB
- Max Power 1 Watt (CW)
- Max VSWR of 1.2:1

Applications

- Instrumentation
- Cable TV and Video Distribution
- Prototyping and Characterization
- Production Systems

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 2 dB Fixed Attenuator PE7751-2 is rated to 1 Watt and operates from DC to 1 GHz. The versatile coaxial package uses BNC male to BNC female connectors and is also REACH compliant.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		75		Ohms
Nominal Attenuation		2		dB
Attenuation Accuracy		$\pm$ 0.5		dB
VSWR			1.2:1	
Input Power, CW			1	Watt

Mechanical Specifications

Size

Length	2.09 in [53.09 mm]
Width/Diameter	0.57 in [14.48 mm]
Height	0.57 in [14.48 mm]
Weight	0.01 lbs [4.54 g]
Body Material and Plating	Brass, Tri-Metal

Configuration

Design	Fixed, Bidirectional
Design Type	Standard
Package Style	Connectorized

2 dB Fixed Attenuator 75 Ohm BNC Male to 75 Ohm BNC Female Brass Tri-Metal body rated 1 Watt DC to 1 GHz



PE7751-2

Connectors

Description	Connector 1	Connector 2
Type	BNC Male	BNC Female
Contact Material and Plating	Phosphor bronze, Gold	Phosphor bronze, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal

Environmental Specifications

Temperature

Operating Range -50 to +80 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data

2 dB Fixed Attenuator 75 Ohm BNC Male to 75 Ohm BNC Female Brass Tri-Metal body rated 1 Watt DC to 1 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.

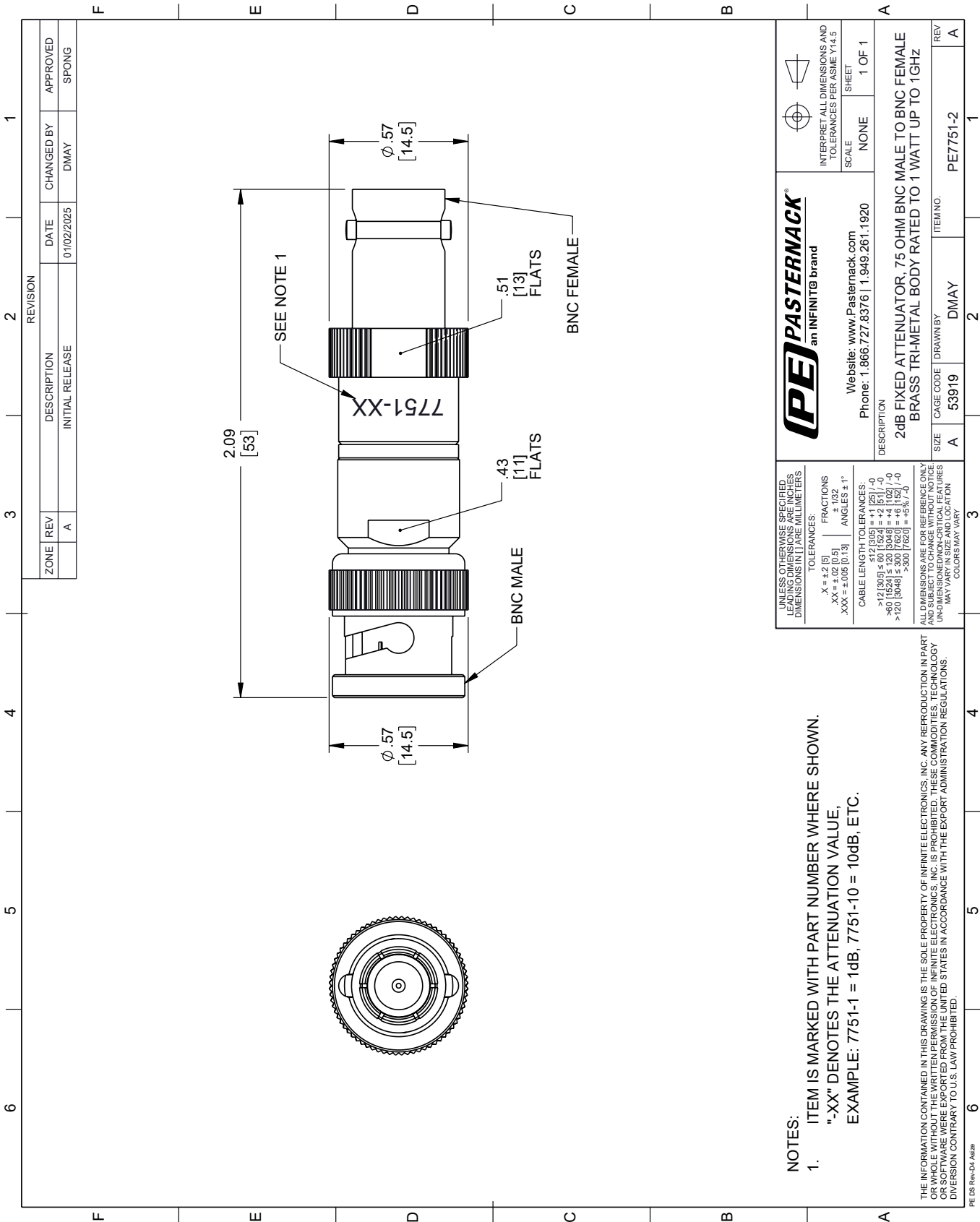
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 dB Fixed Attenuator 75 Ohm BNC Male to 75 Ohm BNC Female Brass Tri-Metal body rated 1 Watt DC to 1 GHz PE7751-2](#)

URL: <https://www.pasternack.com/2db-fixed-bnc-male-bnc-female-1-watt-attenuator-pe7751-2-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE7751-2 CAD Drawing

2 dB Fixed Attenuator 75 Ohm BNC Male to 75 Ohm BNC Female Brass Tri-Metal body rated 1 Watt DC to 1 GHz



NOTES:

1. ITEM IS MARKED WITH PART NUMBER WHERE SHOWN.
"-XX" DENOTES THE ATTENUATION VALUE.
EXAMPLE: 7751-1 = 1dB, 7751-10 = 10dB, ETC.

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE IN MILLIMETERS.		PE PASTERNAK an INFINITI® brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES:		Website: www.Pasternack.com		SCALE: NONE	
X = ±.2 [5]		Phone: 1.866.727.8376 1.949.261.1920		SHEET: 1 OF 1	
.XX = ±.02 [0.5]		DESCRIPTION		REV	
.XXX = ±.005 [0.13]		2dB FIXED ATTENUATOR, 75 OHM BNC MALE TO BNC FEMALE		A	
ANGLES ± 1°		BRASS TRI-METAL BODY RATED TO 1 WATT UP TO 1GHz		PE7751-2	
CABLE LENGTH TOLERANCES:		SIZE		A	
>12 [305] ± .60 [15.24]		CAGE CODE		53919	
>60 [1524] ± .120 [3048]		DRAWN BY		DMAY	
>120 [3048] ± .300 [7620]		ITEM NO.		1	
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE IN MILLIMETERS.		COLORS MAY VARY			

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVISION CONTRARY TO U.S. LAW PROHIBITED.

PE D9 Rev-D4 Adda