



10 dB Fixed Attenuator, N Male To 7/16 DIN Female
 Directional Rated To 100 Watts Up To 6 GHz

TECHNICAL DATA SHEET

PE7205-10

10 dB Fixed Attenuator, N Male To 7/16 DIN Female Directional Rated To 100 Watts Up To 6 GHz

Pasternack Enterprises line of 100W Attenuators operate from DC to 6 GHz, and are available in 42 different 7/16 DIN, N, SMA and TNC in-series and between-series connector combinations. Our 100W Attenuators are manufactured with Passivated Stainless Steel SMA, TNC and N connectors, and Silver Plated Brass 7/16 DIN connectors. Pasternack 100W Attenuators come in 3 dB, 6 dB, 10 dB, 20 dB, 30 dB, 40 dB, 60 dB values and will operate from -55 to +125 degrees C. Additional connector combinations are available beyond the 42 standard designs, upon request.

- 100W average power and 2,000W peak power handling capability
- Operate to 6 GHz
- Temperature range of -55 to +125 degrees C
- 42 in-series and between series combinations
- 7/16 DIN, SMA, N, TNC Male and Female connectors are available
- Other connector combinations available upon request

Configuration

Design	Fixed, Directional Attenuator
Connector 1	N Male
Connector 2	7/16 DIN Female
Body Material and Plating	Aluminum Heatsink, Black Anodized

Electrical Specifications

Frequency Range, GHz	DC to 6
Impedance, Ohms	50
Attenuation Value, dB	10
Maximum Input Power, Watts	100
Maximum VSWR	1.45:1

Frequency 1

Range, GHz	DC to 2
VSWR	1.2:1
Attenuation Accuracy, dB	± 0.75

Frequency 2

Range, GHz	2 to 4
VSWR	1.35:1
Attenuation Accuracy, dB	± 1

Frequency 3

Range, GHz	4 to 6
VSWR	1.45:1
Attenuation Accuracy, dB	± 1.25

Mechanical Specifications

Temperature

Operating Range, deg C	-55 to +125
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [10 dB Fixed Attenuator, N Male To 7/16 DIN Female Directional Rated To 100 Watts Up To 6 GHz PE7205-10](#)

The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.



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Size

Length, in [mm]	4.9 [124.46]
Width, in [mm]	3.8 [96.52]
Height, in [mm]	2.7 [68.58]
Weight, lbs [Kg]	3 [1.36]

Connector 1

Type	N Male
Contact Material and Plating	Beryllium Copper, Gold
Coupling Nut Material and Plating	Stainless Steel, Passivated
Body Material and Plating	Stainless Steel, Passivated

Connector 2

Type	7/16 DIN Female
Contact Material and Plating	Brass, Silver
Body Material and Plating	Brass, Silver

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
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Plotted and Other Data

Notes:	Values at 25 °C, sea level
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URL: <http://www.pasternack.com/10db-fixed-n-male-7-16-female-100-watts-attenuator-pe7205-10-p.aspx>

10 dB Fixed Attenuator, N Male To 7/16 DIN Female Directional Rated To 100 Watts Up To 6 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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PE7205-10 CAD Drawing

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Table of Information		Part Number Configuration	
Connector Type	DIM "A" (REF.)	Input Connector	Output Connector
SMA Male	0.68	7/16 Female	7/16 Male
SMA Female	0.54	N Female	7/16 Male
TNC Male	0.98	7/16 Male	7/16 Female
TNC Female	0.94	N Male	7/16 Female
N Female	0.95	N Female	N Male
N Male	0.98	N Female	N Male
7/16 Male	1.12	SMA Female	N Male
7/16 Female	1.16	TNC Female	N Male
		7/16 Male	N Female
		7/16 Female	N Female
		N Male	N Female
		N Female	N Female
		N Male	N Female
		SMA Male	N Female
		SMA Female	N Female
		TNC Male	N Female
		TNC Female	N Female
		7/16 Female	SMA Male
		N Female	SMA Male
		SMA Female	SMA Male
		TNC Female	SMA Male
		7/16 Male	SMA Female
		7/16 Female	SMA Female
		N Male	SMA Female
		N Female	SMA Female
		SMA Male	SMA Female
		SMA Female	SMA Female
		TNC Male	SMA Female
		TNC Female	SMA Female
		7/16 Female	TNC Male
		N Female	TNC Male
		SMA Female	TNC Male
		7/16 Male	TNC Male
		7/16 Female	TNC Female
		N Male	TNC Female
		N Female	TNC Female
		SMA Male	TNC Female
		SMA Female	TNC Female
		TNC Male	TNC Female
		TNC Female	TNC Female
		7/16 Male	TNC Female
		7/16 Female	TNC Female
		N Male	TNC Female
		N Female	TNC Female
		-yy	Indicates Attenuation Level

Connector Type	DIM "A" (REF.)
SMA Male	0.68
SMA Female	0.54
TNC Male	0.98
TNC Female	0.94
N Female	0.95
N Male	0.98
7/16 Male	1.12
7/16 Female	1.16



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].

DWG TITLE
PE72xx-yy

FSCM NO. 53919

CAD FILE 091412

SCALE N/A

SIZE A

2233

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