



20 dB Fixed Attenuator, N Male To N Female Aluminum Heatsink
Black Anodized Body Rated To 10 Watts Up To 2 GHz

TECHNICAL DATA SHEET

PE7010-20

20 dB Fixed Attenuator, N Male To N Female Aluminum Heatsink Black Anodized Body Rated To 10 Watts Up To 2 GHz

Configuration

Design	Fixed, Bidirectional Attenuator
Connector 1	N Male
Connector 2	N Female
Body Material and Plating	Aluminum Heatsink, Black Anodized

Electrical Specifications

Frequency Range, GHz	DC to 2
Impedance, Ohms	50
Attenuation Value, dB	20
Maximum Input Power, Watts	10
Maximum VSWR	1.6:1

Frequency 1

Range, MHz	DC to 1,000
VSWR	1.3:1
Attenuation Accuracy, dB	± 0.7

Frequency 2

Range, GHz	1 to 2
VSWR	1.6:1
Attenuation Accuracy, dB	± 1

Mechanical Specifications

Temperature

Operating Range, deg C	-65 to +125
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Size

Length, in [mm]	2.41 [61.21]
Width, in [mm]	1 [25.4]

Connector 1

Type	N Male
Connector Specification	MIL-STD-348
Contact Material and Plating	Gold
Coupling Nut Material and Plating	Brass, Nickel
Body Material and Plating	Passivated Stainless Steel

Connector 2

Type	N Female
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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: [20 dB Fixed Attenuator, N Male To N Female Aluminum Heatsink Black Anodized Body Rated To 10 Watts Up To 2 GHz PE7010-20](#)

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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Connector Specification
Contact Material and Plating
Body Material and Plating

MIL-STD-348
Gold
Passivated Stainless Steel

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

RoHS Compliant

Yes

Plotted and Other Data

Notes:

Values at 25 °C, sea level

20 dB Fixed Attenuator, N Male To N Female Aluminum Heatsink Black Anodized Body Rated To 10 Watts Up To 2 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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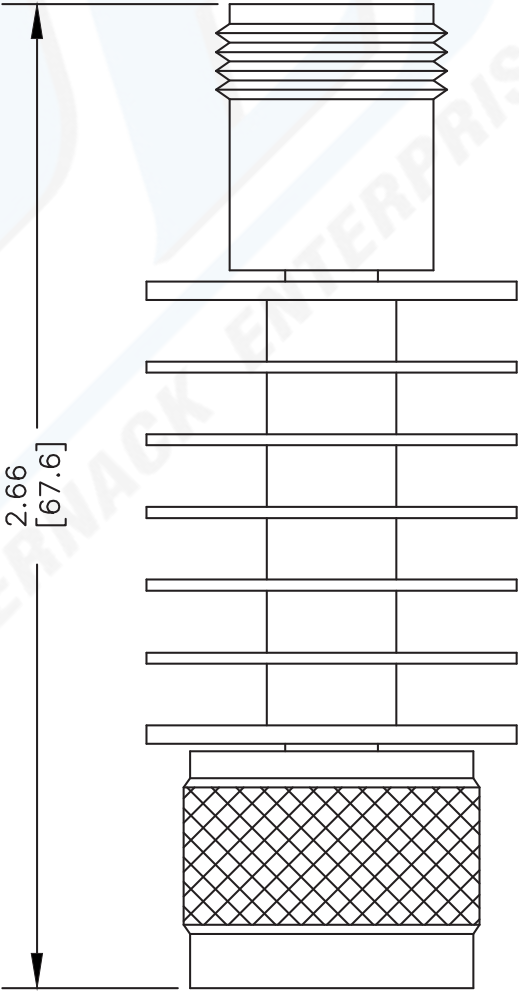
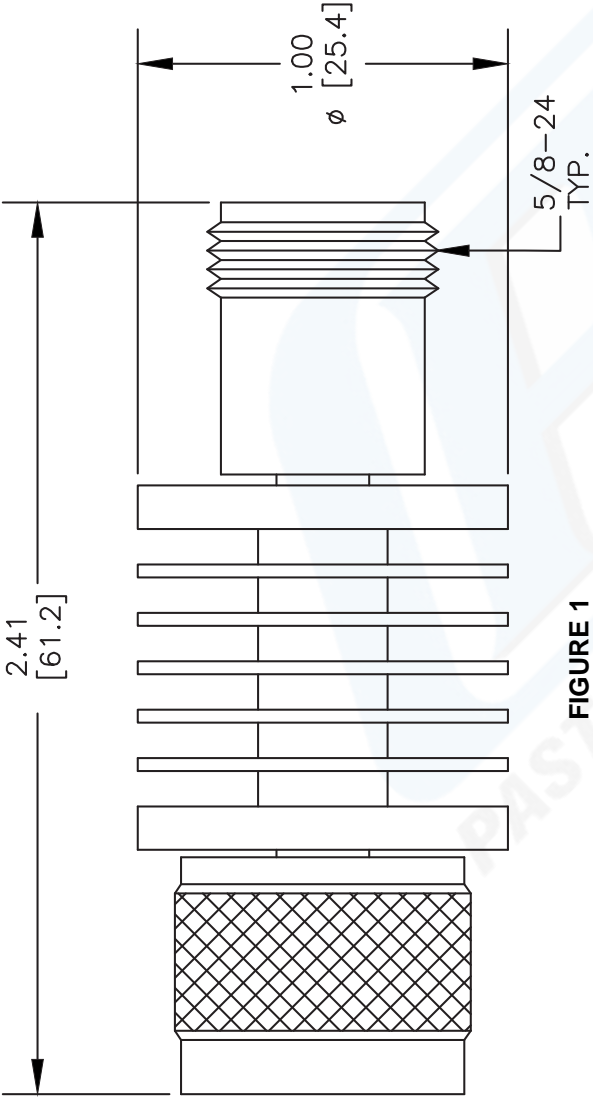
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PE7010-20 CAD Drawing

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P/N	ATTEN.	FIGURE
PE7010-2	2 dB	1
PE7010-3	3 dB	1
PE7010-6	6 dB	1
PE7010-10	10 dB	1
PE7010-20	20 dB	1
PE7010-30	30 dB	2
PE7010-40	40 dB	2



N FEMALE

FIGURE 2

N MALE

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

PE7010

FSCM NO. 53919

CAD FILE 022213

SCALE N/A

SIZE A

2231

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