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1 dB Fixed Attenuator, N Male To N Female Passivated Stainless Steel Body Rated To 2 Watts Up To 12.4 GHz

TECHNICAL DATA SHEET PE7047-1

1 dB Fixed Attenuator, N Male To N Female Passivated Stainless Steel Body Rated To 2 Watts Up To 12.4 GHz

Configuration

Design	Fixed, Bidirectional Attenuator
Connector 1	N Male
Connector 2	N Female
Body Material and Plating	Passivated Stainless Steel

Electrical Specifications

Frequency Range, GHz	DC to 12.4
Impedance, Ohms	50
Attenuation Value, dB	1
Maximum Input Power, Watts	2

Frequency 1

Range, GHz	DC to 4
VSWR	1.15:1
Attenuation Accuracy, dB	± 0.3

Frequency 2

Range, GHz	4 to 8
VSWR	1.2:1
Attenuation Accuracy, dB	± 0.3

Frequency 3

Range, GHz	8 to 12.4
VSWR	1.25:1
Attenuation Accuracy, dB	± 0.3

Mechanical Specifications

Temperature

Operating Range, deg C	-65 to +125

Size

Length, in [mm]	1.765 [44.83]
Width, in [mm]	0.8 [20.32]

Connector 1

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

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, N Male To N Female Passivated Stainless Steel Body Rated To 2 Watts Up To 12.4 GHz PE7047-1

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.

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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Connector 2

Type	N Female
Connector Specification	MIL-STD-348
Contact Material and Plating	Beryllium Copper, Gold
Body Material and Plating	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

1 dB Fixed Attenuator, N Male To N Female Passivated Stainless Steel Body Rated To 2 Watts Up To 12.4 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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URL: http://www.pasternack.com/1db-fixed-n-male-n-female-2-watts-attenuator-pe7047-1-p.aspx

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PE7047-1 CAD Drawing

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P/N	ATTEN.	FIGURE
PE7047-1	1 dB	1
PE7047-2	2 dB	1
PE7047-3	3 dB	1
PE7047-4	4 dB	1
PE7047-5	5 dB	1
PE7047-6	6 dB	1
PE7047-7	7 dB	1
PE7047-8	8 dB	1
PE7047-9	9 dB	1
PE7047-10	10 dB	1
PE7047-12	12 dB	1
PE7047-15	15 dB	1
PE7047-20	20 dB	1
PE7047-30	30 dB	1
PE7047-40	40 dB	1

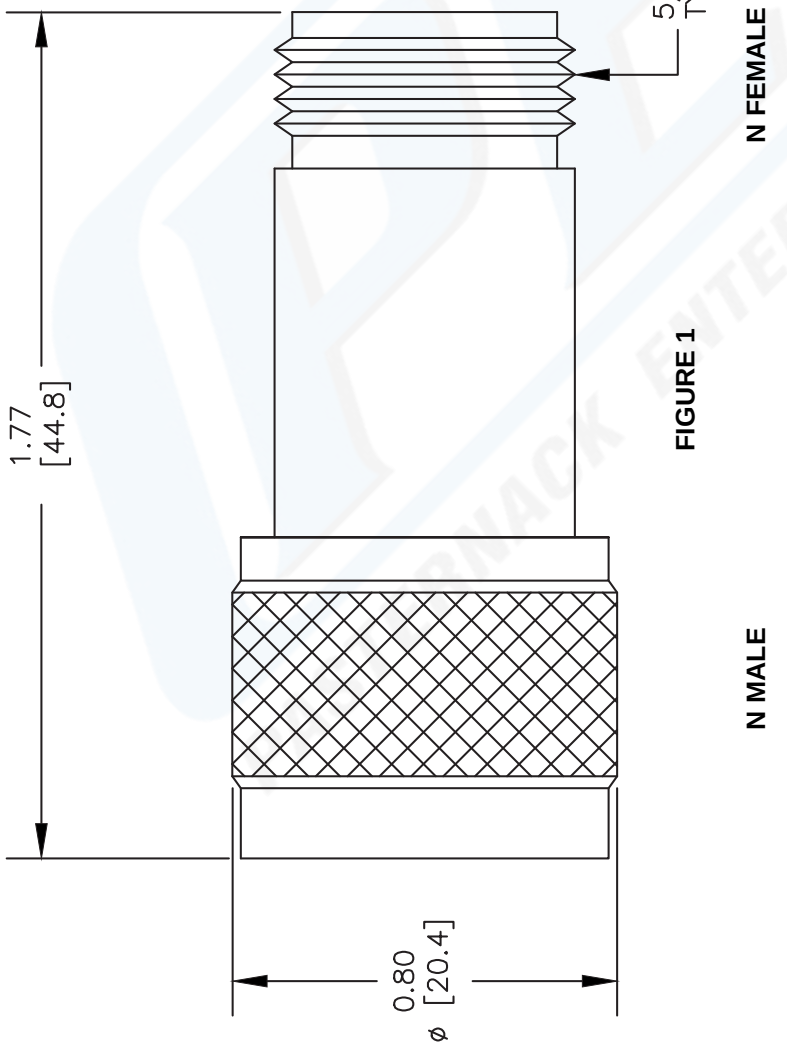


FIGURE 1

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 030513 | SCALE N/A | SIZE A | XXXX

DWG TITLE PE7047

FSCM NO. 53919

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