



30 dB Fixed Attenuator, TNC Female To TNC
Female Rated To 25 Watts Up To 18 GHz

TECHNICAL DATA SHEET

PE7378-30

30 dB Fixed Attenuator, TNC Female To TNC Female Rated To 25 Watts Up To 18 GHz

Configuration

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

Electrical Specifications

Frequency Range, GHz	DC to 18
Impedance, Ohms	50
Attenuation Value, dB	30 to 30
Maximum Input Power, Watts	25
Maximum VSWR	1.6:1

Frequency 1

Range, GHz	DC to 6
Insertion Loss, dB	30
VSWR	1.3:1
Attenuation Accuracy, dB	0.75
Maximum Input Power, Watts	25

Frequency 2

Range, GHz	6 to 12.4
VSWR	1.45:1
Attenuation Accuracy, dB	1

Frequency 3

Range, GHz	12.4 to 18
VSWR	1.6:1
Attenuation Accuracy, dB	1.5

Mechanical Specifications

Temperature

Operating Range, deg C	-55 to +125
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Size

Length, in [mm]	4.5 [114.3]
Width, in [mm]	2.41 [61.21]
Weight, lbs [g]	0.8 [362.87]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [30 dB Fixed Attenuator, TNC Female To TNC Female Rated To 25 Watts Up To 18 GHz PE7378-30](#)

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 1

Type	TNC Female
Contact Material and Plating	Brass, Gold
Contact Plating Specification	Gold
Hex Size, In.	11/16
Body Material and Plating	Stainless Steel, Passivated
Body Plating Specification	Passivated

Connector 2

Type	TNC Female
Contact Material and Plating	Beryllium Copper, Gold
Outer Conductor Material and Plating	Stainless Steel, Passivated
Hex Size, In.	11/16
Body Material and Plating	Stainless Steel, Passivated

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/30db-fixed-tnc-female-tnc-female-25-watts-attenuator-pe7378-30-p.aspx>

30 dB Fixed Attenuator, TNC Female To TNC Female Rated To 25 Watts Up To 18 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.

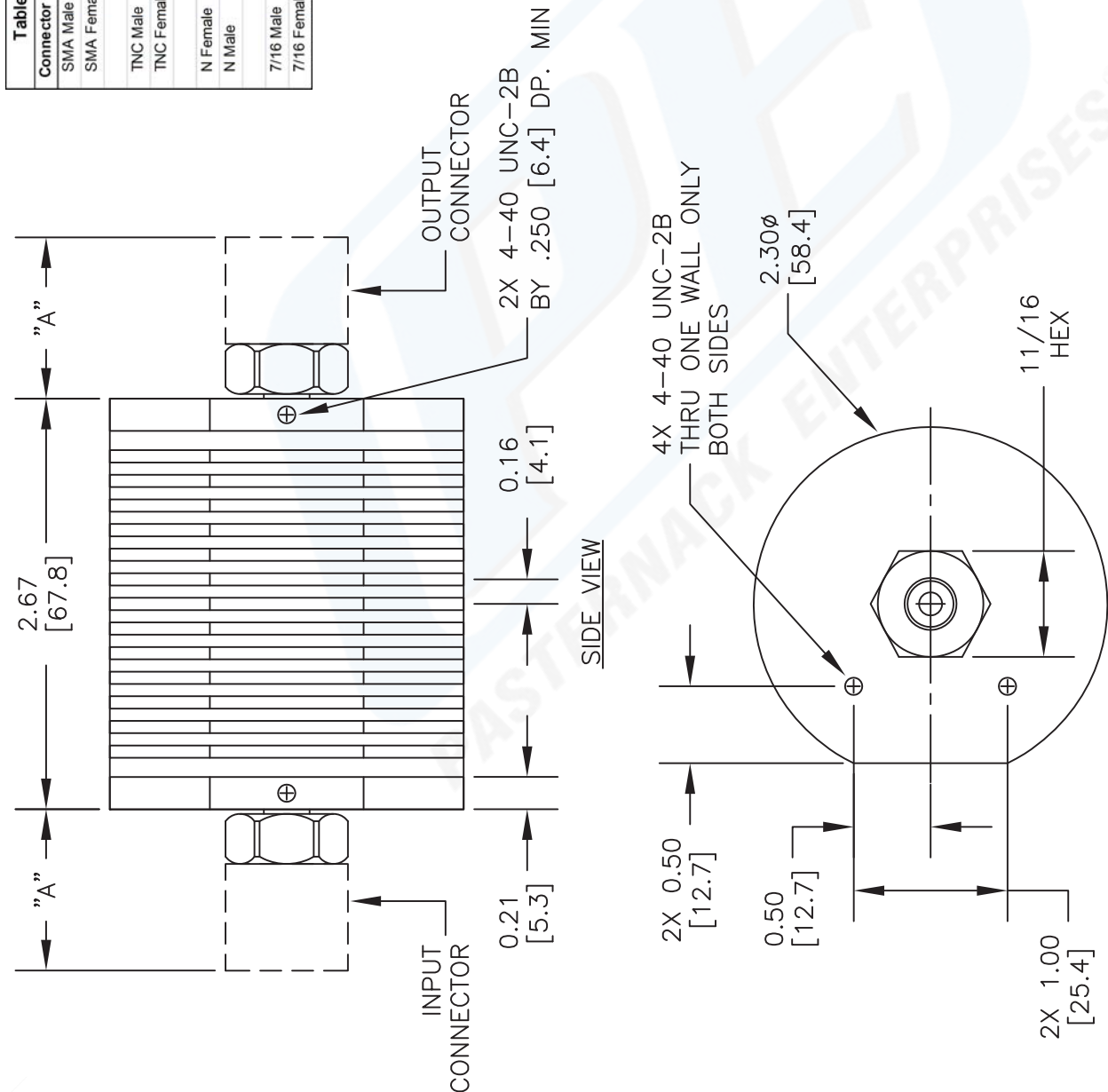
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PE7378-30 CAD Drawing

30 dB Fixed Attenuator, TNC Female To TNC Female Rated To 25 Watts Up To 18 GHz

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

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
PE73xx-yy

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FSCM NO. 53919

CAD FILE 102512

SCALE N/A

SIZE A

2233