



50 dB Fixed Attenuator, TNC Female To TNC  
 Female Rated To 25 Watts Up To 8 GHz

TECHNICAL DATA SHEET

PE7378-50

**50 dB Fixed Attenuator, TNC Female To TNC Female Rated To 25 Watts Up To 8 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 8
Impedance, Ohms	50
Attenuation Value, dB	50 to 50
Maximum Input Power, Watts	25
Maximum VSWR	1.6:1

**Frequency 1**

Range, GHz	DC to 6
Insertion Loss, dB	50
VSWR	1.25:1
Attenuation Accuracy, dB	0.5
Maximum Input Power, Watts	25

**Frequency 2**

Range, GHz	6 to 8
VSWR	1.45:1

**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]

**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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 dB Fixed Attenuator, TNC Female To TNC Female Rated To 25 Watts Up To 8 GHz PE7378-50](#)

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 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](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
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**Plotted and Other Data**

Notes: Values at 25 °C, sea level

URL: <http://www.pasternack.com/50db-fixed-tnc-female-tnc-female-25-watts-attenuator-pe7378-50-p.aspx>

50 dB Fixed Attenuator, TNC Female To TNC Female Rated To 25 Watts Up To 8 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.

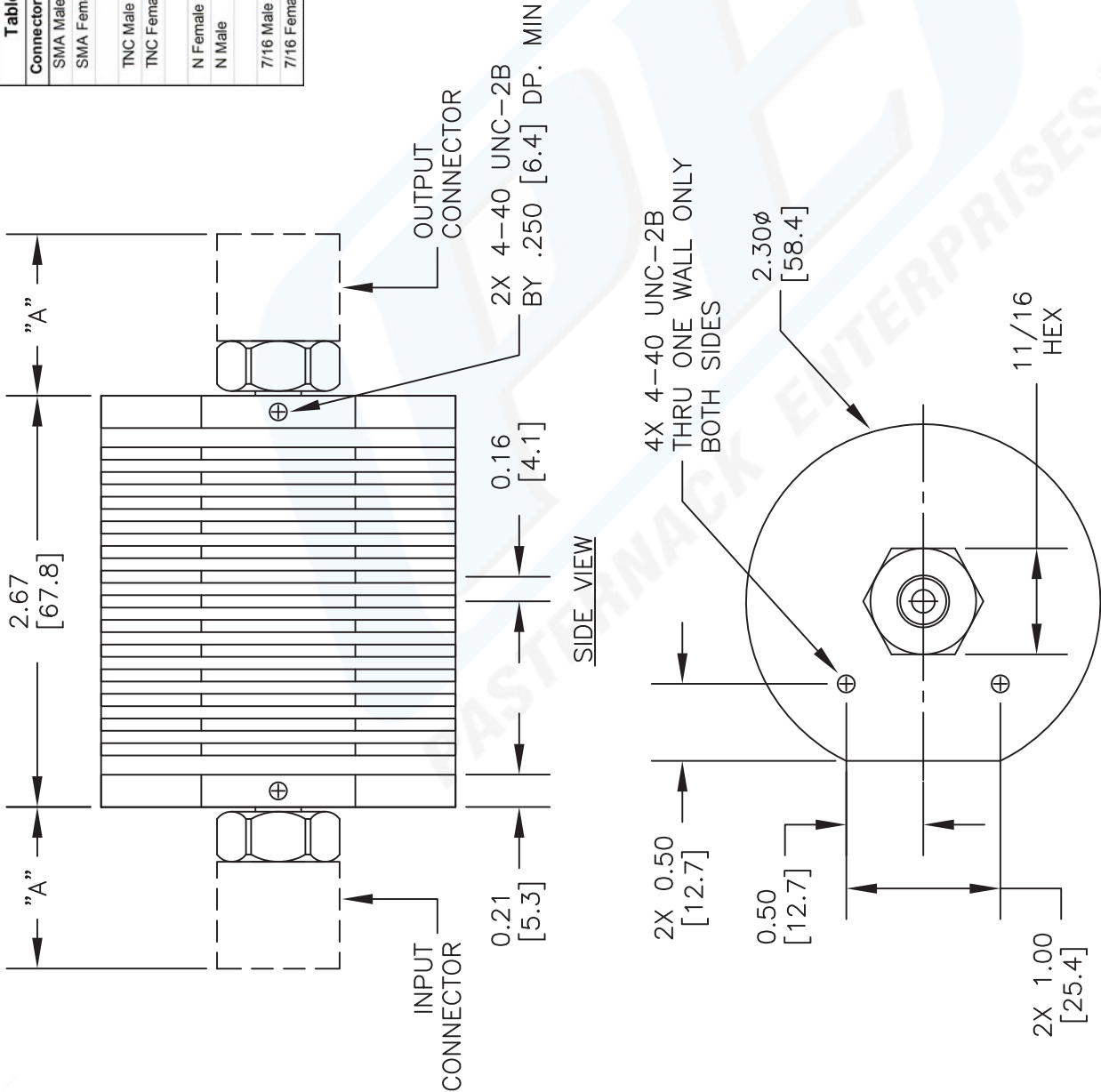
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# PE7378-50 CAD Drawing

50 dB Fixed Attenuator, TNC Female To TNC Female Rated To 25 Watts Up To 8 GHz

xx	Input Connector	Output Connector	Part Number Configuration
55	SMA Male	7/16 Female	
56	SMA Male	N Female	
57	SMA Male	SMA Female	
58	SMA Male	TNC Female	
59	SMA Female	7/16 Female	
60	SMA Female	7/16 Male	
61	SMA Female	N Female	
62	SMA Female	N Male	
63	SMA Female	SMA Female	
64	SMA Female	TNC Female	
65	SMA Female	TNC Male	
66	N Male	7/16 Female	
67	N Male	N Female	
68	N Male	TNC Female	
69	N Female	7/16 Female	
70	N Female	7/16 Male	
71	N Female	N Female	
72	N Female	TNC Female	
73	N Female	TNC Male	
74	TNC Male	TNC Female	
75	TNC Male	SMA Male	
76	TNC Female	7/16 Female	
77	TNC Female	7/16 Male	
78	TNC Female	TNC Female	
79	7/16 Male	7/16 Female	
80	7/16 Female	7/16 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  
**PE73xx-yy**

**PE PASTERNAK**  
 Pasternack Enterprises, Inc.  
 P.O. Box 16759 | Irvine | CA | 92623  
 Phone: (949) 261-1920 | Fax: (949) 261-7451  
 Website: www.pasternack.com | E-Mail: sales@pasternack.com

FSCM NO. 53919  
 CAD FILE 102512  
 SCALE N/A  
 SIZE A  
 2233