

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



## **TECHNICAL DATA SHEET**

## PE7219-40

Pasternack Enterprises line of 100W Attenuator N, SMA and TNC in-series and between-series Passivated Stainless Steel SMA, TNC and N c 100W Attenuators come in 3 dB, 6 dB, 10 dB,	<b>SMA Male Directional Rated To 100 Watts Up To 6 GHz</b> rs operate from DC to 6 GHz, and are available in 42 different 7/16 DIN, connector combinations. Our 100W Attenuators are manufactured with connectors, and Silver Plated Brass 7/16 DIN connectors. Pasternack 20 dB, 30 dB, 40 dB, 60 dB values and will operate from -55 to +125 are available beyond the 42 standard designs, upon request.
<ul> <li>Operate to 6 GHz</li> </ul>	
Temperature range of -55 to +125 degrees C	
<ul> <li>42 in-series and between series combinations</li> </ul>	5
<ul> <li>7/16 DIN, SMA, N, TNC Male and Female con</li> </ul>	
Other connector combinations available upon	
Configuration	
Design	Fixed, Directional Attenuator
Connector 1	7/16 DIN Female
Connector 2	SMA Male
Body Material and Plating	Aluminum Heatsink, Black Anodized
Electrical Specifications	
Frequency Range, GHz	DC to 6
Impedance, Ohms	50
Attenuation Value, dB	40
Maximum Input Power, Watts	100
Maximum VSWR	1.45:1
Frequency 1	
Range, GHz	DC to 2
VSWR	1.2:1
Attenuation Accuracy, dB	± 1.25
Frequency 2	2 to 4
Range, GHz VSWR	1.35:1
Attenuation Accuracy, dB	$\pm 1.25$
	± 1.23
Frequency 3	
Range, GHz	4 to 6
VSWR	1.45:1
Attenuation Accuracy, dB	± 1.5
Mechanical Specifications	
Temperature	55 to 125
Operating Range, deg C	-55 to +125
	SEARCH" on website) to obtain additional part information including price, ator, 7/16 DIN Female To SMA Male Directional Rated To 100 Watts Up To

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 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451 Sales@Pasternack.com • Techsupport@Pasternack.com



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PE7219-40

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Size	
Length, in [mm]	
Width, in [mm]	
Height, in [mm]	
Weight, lbs [Kg]	
Connector 1	
Туре	
Contact Material and Plating	
Body Material and Plating	
, .	

Connector 2 Type Contact Material and Plating Coupling Nut Material and Plating Body Material and Plating 4.9 [124.46] 3.8 [96.52] 2.7 [68.58] 3 [1.36]

7/16 DIN Female Brass, Silver Brass, Silver

SMA Male Beryllium Copper, Gold Stainless Steel, Passivated Stainless Steel, Passivated

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

## **Plotted and Other Data**

Notes:

Values at 25 °C, sea level

URL: http://www.pasternack.com/40db-fixed-7-16-female-sma-male-100-watts-attenuator-pe7219-40-p.aspx

40 dB Fixed Attenuator, 7/16 DIN Female To SMA Male 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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"A"     Connector Type     Diff     XX     Iput Connector       SMA Female     0.63     0     7.76 Female       SMA Female     0.38     0     7.76 Female       Tric Male     0.38     0     7.76 Female       Tric Male     0.38     0     7.76 Female       Nc Male     0.38     0     7.76 Female       Nc Male     0.38     0     7.76 Female       Nc Female     0.38     0     7.76 Female       Neteriol     0.38     0     7.76 Female       Note     0.38     0     7.76 Female       Note     0.38     0     7.76 Female       2.100     2.200     2     2.70 Male       2.203     2     2.70 REF     2     3.40 Female       1     1     1     7.66 Female     2       2.100     2     2.70 REF     2     3.40 Female       2.203     2     3.40 Female     2     3.40 Female       2.203     2     3.40 Female     3.40 Female       3.31     3.40 Female     3.40 Female       3.	-	-	Table	Table of Information		Part Numb	Part Number Configuration	uo
I124.5J     State mail       State mail     State mail		"^"	Connector			Input Conne		Output Connector
Statement Statement	1	C	SMA Male		0	7/16 Female	7/16 Male	lale
Processing Proces			SMA Fema		02	N Female	7/16 Male	lale
The field of the second of the					03	7/16 Male	7/16 Female	emale
In the second se			TNC Male	0.98	04	7/16 Female	7/16 Female	emale
Image: Second			TNC Femal		05	N Male	7/16 F	7/16 Female
Table A to Connector Table A to Connector I					90	N Female	7/16 Female	emale
And			N Female	0.95	07	7/16 Female	N Male	
Tichener Tichener The second of the second			N Male	0.98	08	N Female	N Male	0
The second secon					60	SMA Female	N Male	0
The second secon		I	7/16 Male	1.12	10	TNC Female	N Male	0
Inpur     4.60       Inpur     0.000       Inpur     <			7/16 Femal		7	7/16 Male	N Female	ale
Provide the second seco		I			12	7/16 Female	N Female	ale
TAP     4.60       NPUT     0.0 PUT       INPUT     0.0 PUT       DP     4.60       DP     116.8       DP     2.00       D					13	N Male	N Female	ale
The first of the connector of the connec		-			14	N Female	N Female	ale
The connector of the co					15	SMA Male	N Female	ale
Tap     4.60       INPUT     00TPUT       INPUT     00TPUT       INPUT     00TPUT       INPUT     00TPUT       INPUT     116.83       INPUT     200       DP.     2.70       Reference     2.70       Intervention     2.70       Reference     2.70 </td <td></td> <th></th> <td></td> <td></td> <td>16</td> <td>SMA Female</td> <td></td> <td>ale</td>					16	SMA Female		ale
TAP INPUT CONNECTOR TAP (116.8) (1					17	TNC Male	N Female	ale
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4.60       00TPUT         INDUT       0.0 VIEW         CONNECTOR       IOP VIEW         CONNECTOR       IOP VIEW         CONNECTOR       IOP VIEW         DP.       2.00         DP.       0         DP.       2.00         DP.       0.01         DP.       0.08         DP.       0.08         DP.       0.08         DO.       0.08         DO. <td></td> <th></th> <td></td> <td></td> <td>19</td> <td>7/16 Female</td> <td>SMAN</td> <td>Aale</td>					19	7/16 Female	SMAN	Aale
TAP INPUT CONNECTOR INPUT CONNECTOR INPUT CONNECTOR INPUT INPUT CONNECTOR INPUT INPUT CONNECTOR INPUT INPU	4 6N				20	N Female		Aale
INPUT     INPUT     DO VIEW       TAP     2.00       DP.     50.8]       DP.     50.8]       DP.     2.00       DP.     50.8]       DP.     2.00       DP					2	SMA Female		Aale
INPUT CONNECTOR     IOP VIEW       TAP     2:00       DP.     0       DP. <td></td> <th></th> <td>CONNECION</td> <td></td> <td>22</td> <td>NC Female</td> <td>SMAR</td> <td>Vale</td>			CONNECION		22	NC Female	SMAR	Vale
CONNECTOR TOP VIEW TAP DP. 2.00 DP. 2.00 E50.8] 2.70 REF. [68.6] 2.70 REF. [68.6] [68.6	INPUT				23	7/16 Male	SMA	emale
TAP       2:00         DP.       -         DP.       -         E.0.03       -         DP.       -         E.0.03       -         DP.       -         E.0.03       -         DP.       -         D.       D.         D.       D. <td>ECTOR TOP</td> <th></th> <td></td> <td></td> <td>24</td> <td>// T6 Female</td> <td>SMAR</td> <td>-emale</td>	ECTOR TOP				24	// T6 Female	SMAR	-emale
TAP DP. 2.00 50.8 50.8 2.70 REF. [68.6] 2.70 REF. [68.6] 2.70 REF. [68.6] 2.70 REF. [68.6] 2.70 REF. [68.6] 2.70 REF. [50.6] 1.0 REF. [68.6] 2.70 REF. [69.6] 2.70 REF. [69.6] 2.70 REF. [69.6] 2.70 REF. [60.6] 2.70 REF. [60.6] 2.70 REF. [60.6] 2.70 REF. [60.6] [60					90	N Female	AMA	Tamala
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Image: Second State Sta					28	SMA Female		SMA Female
Perfection of the second secon					29	TNC Male		SMA Female
Image: Signed Structure       Image: Signed Structure       Image: Signed Structure       Image: Signed Structure         Image: Signed Structure       Image: Signed Structure       Image: Signed Structure       Image: Signed Structure         Image: Signed Structure       Image: Signed Structure       Image: Signed Structure       Image: Signed Structure         Image: Signed Structure       Image: Signed Structure       Image: Signed Structure       Image: Signed Structure         Image: Signed Structure       Image: Signed Structure       Image: Signed Structure       Image: Signed Structure         Image: Signed Structure       Image: Signed Structure       Image: Signed Structure       Image: Signed Structure         Image: Signed Structure       Image: Signed Structure       Image: Signed Structure       Image: Signed Structure         Image: Signed Structure       Image: Signed Structure       Image: Signed Structure       Image: Signed Structure         Image: Signed Structure       Image: Signed Structure       Image: Signed Structure       Image: Signed Structure			-		30	TNC Female	SMA F	SMA Female
Profession (94) 261-1920 [Fax: (94) 261-1451					31	7/16 Female	TNC Male	lale
2.70 REF.         BIDE VIEW         BIDE VIEW         Formation         Formation         Patemack Enterprises, Inc.         Ponce: (949) 261-1920   Fax: (949) 261-7451					32	N Female	TNC Male	lale
3.70 REF.         5.70 REF.         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         7         8         9					33	SMA Female	TNC Male	lale
BIDE_VIEW       0       2.70 REF.         Image: Solution of the second structure of the second str					34	TNC Female	TNC Male	lale
Image: Signal state sta	I	I	2.70 REF.		35	7/16 Male	TNC Female	emale
DWG TITLE PE72XX-yy			68.6		36	7/16 Female	TNCE	emale
DWG TITLE PE72xx-yy					37	N Male		emale
рис тис РЕ72xx-yy			C		30	SMA Male		amala
DWG TITE PE72xx-yy			Ś		40	SMA Female		emale
bwg тпце PE72xx-yy					4	TNC Male		emale
DWG TITLE PE72xx-yy					42	TNC Female	TNC Female	emale
рис тп. PE72xx-yy	SIDE VIEW				Ϋ́-		enuation Level	
	Pasternack Enterprises, Inc. P.O. Box 16759   Irvine   CA   92623	DWG TITLE PE72x	yy-yy	NOTES: 1. Unless otherv 2. All Specificati 3. Dimensions ari	VISE SPEC IONS ARE E IN INCHE	FIED ALL DIMENSION SUBJECT TO CHANGI S [mm].	E MITHOUT NOTICI	E AT ANY TIME
nack.com FSCM NO. 53919 CAD FILE 091412 SCALE N/A SIZE	Phone: (949) 261-1920   Fax: (949) 261-7451 Website: www.pasternack.com   E-Mail: sales@pasternack.com	FSCM		CAD FILE	091412	SCALE N		2233