

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



TECHNICAL DATA SHEET

PE7219-10

Pasternack Enterprises line of 100W Attenuators op	A Male Directional Rated To 100 Watts Up To 6 GHz erate from DC to 6 GHz, and are available in 42 different 7/16 DIN,
N, SMA and TNC in-series and between-series conr	nector combinations. Our 100W Attenuators are manufactured with
Passivated Stainless Steel SMA, TNC and N conne	ectors, and Silver Plated Brass 7/16 DIN connectors. Pasternack
100W Attenuators come in 3 dB, 6 dB, 10 dB, 20 d	B, 30 dB, 40 dB, 60 dB values and will operate from -55 to +125
	vailable beyond the 42 standard designs, upon request.
 100W average power and 2,000W peak power has 	
Operate to 6 GHz	
 Temperature range of -55 to +125 degrees C 	
 42 in-series and between series combinations 	
 7/16 DIN, SMA, N, TNC Male and Female connect 	tors are available
Other connector combinations available upon requ	
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	10
Maximum Input Power, Watts	100
Maximum VSWR	1.45:1
Frequency 1	
Range, GHz	DC to 2
VSWR	1.2:1
Attenuation Accuracy, dB	± 0.75
Frequency 2	2 to 4
Range, GHz VSWR	1.35:1
Attenuation Accuracy, dB	±1
Frequency 3	
Range, GHz	4 to 6
VSWR	1.45:1
Attenuation Accuracy, dB	± 1.25
Mechanical Specifications	
Temperature	
Operating Range, deg C	-55 to +125
	RCH" on website) to obtain additional part information including price, 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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Size	
Length, in [mm]	
Width, in [mm]	
Height, in [mm]	
Weight, Ibs [Kg]	
Connector 1	

Type 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/10db-fixed-7-16-female-sma-male-100-watts-attenuator-pe7219-10-p.aspx

10 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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PE7219-10 CAD Drawing 10 dB Fixed Attenuator, 7/16 DIN Female To SMA Male Directional Rated To 100 Watts Up To 6 GHz

-	-	Table c	Table of Information		Part Number	Part Number Configuration	
" _A " 4.90	" < "	Connector Type	ype DIM "A" (REF.)	REF.) XX	Input Connector	or Output Connector	onnector
A [124.5]	T	SMA Male	0.68	01	7/16 Female	7/16 Male	
		SMA Female	0.54	02	N Female	7/16 Male	
				03	7/16 Male	7/16 Female	ale
		TNC Male	0.98	04	7/16 Female	7/16 Female	ale
		TNC Female		05	N Male	7/16 Female	ale
				90	N Female	7/16 Female	ale
	'n	N Female	0.95	07	7/16 Female	N Male	
		N Male	0.98	08	N Female	N Male	
	ן – ן ן 			60	SMA Female	N Male	
	I	7/16 Male	1.12	10	TNC Female	N Male	
		7/16 Female		7	7/16 Male	N Female	
	I			12	7/16 Female	N Female	
				13	N Male	N Female	
	 ■ 			14	N Female	N Female	
				15	SMA Nale	N Female	
				16	SMA Female	N Female	
				17	TNC Male	N Female	
				18	TNC Female	N Female	
				19	7/16 Female	SMA Male	ø
		TI IOTI IO		20	N Female	SMA Male	ø
				21	SMA Female	SMA Male	ø
[110.8]		CONNECTOR		22	TNC Female	SMA Male	Ð
INPLIT				23	7/16 Male	SMA Female	nale
CONNECTOR TOD VIEW				24	7/16 Female	SMA Female	nale
•				25	N Male	SMA Female	nale
-				26	N Female	SMA Female	nale
	5			21	SMA Nale	SMA Female	nale .
0.4 [10] DP. \ 100 DP.	2			87	TAIC Malo	SMA Female	lale
				67			
				02	NC Female	SMA remaie	lale
				5	I/To remale	TNC Male	
				32	SMA Female	TNC Male	
				20		CICK CINE	s - 55
				5 5	7/16 Mala	TNIC Female	olo
				98	7/16 Female	TNC Female	
	I	[0.00]		37	N Male	TNC Female	ale
				38	N Female	TNC Female	ale
		5		39	SMA Nale	TNC Female	ale
		¢		40	SMA Female	TNC Female	ale
				41	TNC Male	TNC Female	ale
				42	TNC Female	TNC Female	ale
<u>SIDE VIEW</u>				۲۷-	Indicates Attenuation Level	uation Level	
PASTERNACK Pasternack Enterprises, Inc. P.O. Box 16759 Irvine CA 92623	рис тите РЕ72xx-уу		NOTES: 1. UNLESS OTHE 2. ALL SPECIFIC/ 3. DIMENSIONS ⊅	RWISE SPECI ATIONS ARE (RE IN INCHE)	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].	ARE NOMINAL. ITHOUT NOTICE AI	T ANY TIME.
Phone: (949) 261-1920 Fax: (949) 261-7451 Vebsite: www.pasternack.com E-Mail: sales@pasternack.com	FSCM P	NO. 53919	CAD FILE	091412	SCALE N/A	SIZE A	2233
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