

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



TECHNICAL DATA SHEET

PE7235-30

	NC Female Directional Rated To 100 Watts Up To 6 GHz ors operate from DC to 6 GHz, and are available in 42 different 7/16 DIN,
	s connector combinations. Our 100W Attenuators are manufactured with
	connectors, and Silver Plated Brass 7/16 DIN connectors. Pasternack
	5, 20 dB, 30 dB, 40 dB, 60 dB values and will operate from -55 to +125
degrees C. Additional connector combinations	are available beyond the 42 standard designs, upon request.
 100W average power and 2,000W peak pow 	er handling capability
Operate to 6 GHz	
Temperature range of -55 to +125 degrees C	
 42 in-series and between series combination 	
 7/16 DIN, SMA, N, TNC Male and Female co 	
Other connector combinations available upor	n request
Configuration	
Design	Fixed, Directional Attenuator
Connector 1	7/16 DIN Male
Connector 2	TNC Female
Body Material and Plating	Aluminum Heatsink, Black Anodized
body watchar and Flating	
Electrical Specifications	
Frequency Range, GHz	DC to 6
Impedance, Ohms	50
Attenuation Value, dB	30
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
Frequency 2	
Range, GHz	2 to 4
VSWR	1.35:1
Attenuation Accuracy, dB	± 1.25
Frequency 3	
Range, GHz	4 to 6
VSWR	1.45:1
	± 1.5
Attenuation Accuracy, dB	±1.5
Mechanical Specifications	
Temperature	
Operating Range, deg C	-55 to +125
	"SEARCH" on website) to obtain additional part information including price lator, 7/16 DIN Male To TNC Female 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]	4.9 [124.46] 3.8 [96.52] 2.7 [68.58] 3 [1.36]
weight, ibs [Kg]	3 [1:30]
Connector 1	
Туре	7/16 DIN Male
Contact Material and Plating	Brass, Silver
Coupling Nut Material and Plating	Brass, Silver
Body Material and Plating	Brass, Silver
Connector 2	
Туре	TNC Female
Contact Material and Plating	Beryllium Copper, Gold
Body Material and Plating	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/30db-fixed-7-16-male-tnc-female-100-watts-attenuator-pe7235-30-p.aspx

30 dB Fixed Attenuator, 7/16 DIN Male To TNC Female 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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PE7235-30 CAD Drawing 30 dB Fixed Attenuator, 7/16 DIN Male To TNC Female Directional Rated To 100 Watts Up To 6 GHz

"A" Connector Type DMT * (FER) X Tot Remain Constraint StA Maile 0.08 0.04 716 Fernie 716 Fernie Tick fremaie 0.03 0.04 716 Fernie 716 Fernie Tick fremaie 0.03 0.04 716 Fernie 716 Fernie Tick fremaie 0.03 0.04 716 Fernie 716 Fernie Nc Male 0.03 0.04 716 Fernie 716 Fernie Niemaie 0.03 0.04 716 Fernie 716 Fernie Niemaie 0.03 0.04 716 Fernie 716 Fernie Niemaie 0.03 0.04 716 Fernie Niemaie 216 Fernie Niemaie 0.05 10 716 Fernie 210 CPUT 11 716 Fernie Niemaie Niemaie 210 CPUT 11 716 Fernie Niemaie <tr< th=""><th>-</th><th>-</th><th>Table</th><th>Table of Information</th><th></th><th>Part Number Configuration</th><th>nfiguration</th><th></th></tr<>	-	-	Table	Table of Information		Part Number Configuration	nfiguration	
International constraints International constraints International constraints International constraints		" ^ "	Connector 1		xx	Input Connector	Output Cor	nector
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Image: State of the state o			SMA Femal		02	N Female	7/16 Male	
The contract of the contract o					03	7/16 Male	7/16 Female	0
The formation of the fo			TNC Male	0.98	04	7/16 Female	7/16 Female	0
Image: state of the state o			TNC Female		05	N Male	7/16 Female	0
The second state State State State					90	N Female	7/16 Female	0
And			N Female	0.95	07	7/16 Female	N Male	
The second secon			N Male	0.98	08	N Female	N Male	
The second secon		- 			60	SMA Female	N Male	
The second secon		I	7/16 Male	1.12	10	TNC Female	N Male	
Image: Second state			7/16 Female		1	7/16 Male	N Female	
Image: Second		I			12	7/16 Female	N Female	
And and a constant of the cons					13	N Male	N Female	
INPUT 4.60 OUTPUT INPUT 0.0 OUTPUT INPUT 2.00 OUTPUT INPUT OD OUTPUT CONNECTOR OP VIEW INPUT OP 2.00 INPUT OP 0.00 INPUT OP 0.00 INPUT InPUT 0.00 INDUT INDUT 0.00		-			14	N Female	N Female	
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TAP 4.60 INPUT 00TPUT INPUT 00TPUT CONNECTOR 116.83 INPUT 00P INPUT 2.00 DP 0.00 SIDE 0.00 DP 0.00 DP 0.00 DP 0.00 DP 0.00					16	SMA Female	N Female	
TAP INPUT CONNECTOR INPUT CONNECTOR INPUT CONNECTOR INPUT CONNECTOR INPUT INPUT CONNECTOR INPUT					17	TNC Male	N Female	
TAP INPUT CONNECTOR TAP CONNECTOR TAP CONNECTOR TAP DP. (116.8) (18	TNC Female	N Female	
The connector row rector row rector row rector row rector row row row row row row row row row r					19	7/16 Female	SMA Male	
INPUT [116.8] CONNECTOR INPUT CONNECTOR CONNECTOR CONNECTOR IOP VIEW 2.00 DP 2.00 [50.8] DP 2.00 [68.6]	4 60				20	N Female	SMA Male	
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INPUT CONNECTOR DP VIEW 2:00 DP. 2:00 DP. 2:00 DP. 2:00 ES.65 ES.6			CONNECTOR		22	TNC Female	SMA Male	
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The fraction of the fraction o	FOTOR TOD				24	7/16 Female	SMA Fema	e
IAP 2.00 DP. 50.8] IAP 2.00 IAP 0.10					25	N Male	SMA Fema	e
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[10] DP. [50.8] [68.6] 2.70 REF. [68.6] [68.6] [68.6] 0 [10] DP. 0 [68.6] <td< td=""><td>IAP </td><td></td><td></td><td></td><td>27</td><td>SMA Male</td><td>SMA Fema</td><td>Ð</td></td<>	IAP				27	SMA Male	SMA Fema	Ð
Image: Signal state sta	DP.				28	SMA Female	SMA Fema	e
SIDE VIEW Protection for the second contract of the second contract					29	NC Male	SMA Fema	e
BIDE VIEW 2.70 REF. E[68.6] 2.70 REF. BIDE VIEW 0 0 SIDE VIEW 0 0 BIDE VIEW 0 0 SIDE VI					90	TNC Female	SMA Fema	e
Since Number Since Number Since Number					15	//16 Female	TNC Male	
Side Normality Side Normality Side Normality					32	SMA Female	TNIC Male	
2.70 REF. [68.6] [68					34	TNC Female	TNC Male	
SIDE_VIEW Image: Side of the side of			2 70 RFF		35	7/16 Male	TNC Female	-
SIDE VIEW SIDE VIEW DIA TILE DIA					36	7/16 Female	TNC Female	0
рме тпе FSCM ND 53919		P	[2:22]		37	N Male	TNC Female	
pwe ππε PE72xx-yy FSCM NO 53919					38	N Female	TNC Female	0
pwg ππε PE72xx-yy FSCM NO 53919			5		39	SMA Male	TNC Female	0
pwg ππε PE72xx-yy FSCM NO 53919			-		40	SMA Female	TNC Female	4
DWG TITLE PE72xx-yy FSCM NO 53919					41	TNC Male	TNC Female	0
DWG TITLE PE72xx-yy FSCM ND 53919					42	TNC Female	TNC Female	0
PE72xx-yy FSCM ND 53919	<u>SIDE VIEW</u>				۲۷-	Indicates Attenuatio	n Level	
ESCM NO 53919 CADFILE 091412 SCALE N/A SIZE A	P.O. Box 16759 Irvine CA 92623	DWG TITLE PE72x	x-yy	NOTES: 1. UNLESS OTHERWISE 2. ALL SPECIFICATIONS 3. DIMENSIONS ARE IN I	SPECIFIE ARE SUB NCHES [m	D ALL DIMENSIONS ARE JECT TO CHANGE WITH m].	NOMINAL. DUT NOTICE AT /	ίΝΥ TIME.
	Phone: (949) 261-1920 Fax: (949) 261-7451 Website: www.pasternack.com E-Mail: sales@pasternack.com	FSCM I	NO. 53919	CAD FILE 091	112	SCALE N/A	SIZE A	2233