

WR-112 Standard Gain Horn Antenna Operates From 7.05 GHz to 10 GHz With a Nominal 10 dB Gain N Female Input Connector

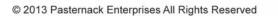
## **TECHNICAL DATA SHEET**

05 GHz to 10 GHz With a Nominal 10 dB Gain N
WR-112 Standard Gain Horn 7.05 to 10 Linear N Female
50 10 1.25:1
4.02 [102.11] 1.875 [47.63] 2.47 [62.74]
rent document)
PE9858/NF Values at 25 °C, sea level
to 10 GHz With a Nominal 10 dB Gain N Female Input for domestic and International orders. Our RF, microwave the broadest selection in the industry.
ebsite) to obtain additional part information including price, Operates From 7.05 GHz to 10 GHz With a Nominal 10 dB
ize-wr112-10-db-gain-n-female-pe9858nf-10-p.aspx

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



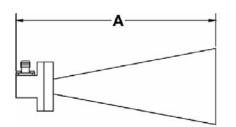


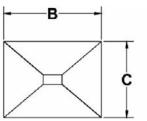


## PE9858/NF-10

## PE9858/NF-10 CAD Drawing

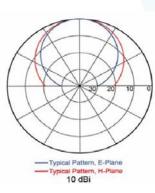
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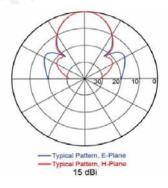


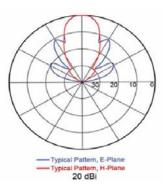


## Specifications <sup>(1)</sup> & Ordering Information

*N CONNECTOR Model No.	Description	WAYEGUIDE SIZE (DC TO GHz)	RANGE		3 dB Width		Dimensions		
				GAIN	E-Plane	H-P1ane	A	В	Ċ
PE9854/NF-10 PE9854/NF-15 PE9854/NF-20	WR62 Standard Gain Horn with N Female Connector 10, 15 & 20 dB Gain	WR62	12.40-18.00	10 dB 15 dB 20 dB	55.3° 30.1° 18.8°	50.9° 31.2° 18.9°	2.00 3.48 6.80	1.16 1.88 3.00	0.82 1.47 2.24
PE9855/NF-10 PE9855/NF-15 PE9855/NF-20	WR75 Standard Gain Horn with N Female Connector 10, 15 & 20 dB Gain	WR75	10.00-15.00	10 dB 15 dB 20 dB	50.2° 35.4° <b>16.3</b> °	49.2° 28.5° 17.2°	2.88 5.70 8.85	1.39 2.36 4.00	1.04 1.45 3.10
PE9856/NF-10 PE9856/NF-15 PE9856/NF-20	WR90 Standard Gain Horn with N Female Connector 10, 15 & 20 dB Gain	WR90	8.20-12.40	10 dB 15 dB 20 dB	48.5° 29.3° 16.1°	47.4° 29.0° 16.5°	2.82 6.45 11.06	1.70 2.80 5.00	1.27 2.05 3.70
PE9857/NF-10 PE9857/NF-15 PE9857/NF-20	WR102 Standard Gain Horn with N Female Connector 10, 15 & 20 dB Gain	WR102	7.00-11.00	10 dB 15 dB 20 dB	55.5° 29.6° 17.0°	54.1° 29.3° 16.7°	4.13 7.28 12.28	1.69 3.15 5.68	1.27 2.36 4.04
PE9858/NF-10 PE9858/NF-15 PE9858/NF-20	WR112 Standard Gain Horn with N Female Connector 10, 15 & 20 dB Gain	WR112	7.05-10.00	10 dB 15 dB 20 dB	56.8° 32.4° 19.3°	55.2° 32.0° 19.3°	4.02 7.79 12.27	1.75 3.05 5.10	1.30 2.25 3.77
PE9859/NF-10 PE9859/NF-15 PE9859/NF-20	WR137 Standard Gain Horn with N Female Connector 10, 15 & 20 dB Gain	WR137	5.85-8.20	10 dB 15 dB 20 dB	55.1° 33.7° 18.7°	54.2° 33.2° 18.8°	4.41 7.80 13.45	2.15 3.53 6.45	1.60 2.60 4.65
PE9860/NF-10 PE9860/NF-15 PE9860/NF-20	WR159 Standard Gain Horn with N Female Connector 10, 15 & 20 dB Gain	WR159	4.90-7.05	10 dB 15 dB 20 dB	59.8° 31.3° 14.3°	48.3° 30.8° 16.9°	5.91 9.53 13.25	2.81 4.43 10.00	1.70 3.27 7.80
PE9861/NF-10 PE9861/NF-15 PE9861/NF-20	WR187 Standard Gain Horn with N Female Connector 10, 15 & 20 dB Gain	WR187	3.95-5.85	10 dB 15 dB 20 dB	55.0° 33.8° 18.9°	54.1° 33.3° 19.2°	17.51 11.28 16.88	3.29 4.98 9.07	2.19 3.67 6.70
PE9862/NF-10 PE9862/NF-15 PE9862/NF-20	WR229 Standard Gain Horn with N Female Connector 10, 15 & 20 dB Gain	WR229	3.30-4.90	10 dB 15 dB 20 dB	58.6° 32.7° 17.1°	51.9° 32.4° 16.7°	17.98 7.05 25.63	3.71 6.63 12.40	2.73 6.00 8.75
PE9863/NF-10 PE9863/NF-15 PE9863/NF-20	WR284 Standard Gain Horn with N Female Connector 10, 15 & 20 dB Gain	WR284	2.60-3.95	10 dB 15 dB 20 dB	50.8° 31.0° 17.2°	54.1° 30.6° 16.5°	10.00 23.25 32.25	4.40 9.00 15.70	3.58 5.60 10.80
PE9864/NF-10 PE9864/NF-15 PE9864/NF-20	WR430 Standard Gain Horn with N Female Connector 10, 15 & 20 dB Gain	WR430	1.70-2.60	10 dB 15 dB 20 dB	64.8° 33.1° 17.3°	45.4° 32.0° 17.4°	14.00 26.60 44.00	8.15 11.85 22.25	4.14 8.50 16.20







 (1) Pasternack reserves the right to change specifications or information without notice.
(2) All Specifications "typical" www.pasternack.com