



Features

- Comply with U.S. Naval Research Lab Report (NRL) Report No. 4433
- Standard and special flange types available
- Models up to 40 GHz

Applications

- Measurement standard
- Calibration

Typical Performance

- VSWR better than 1.2 : 1
- Variation of gain wrt mid-band ± 2 dB



Model 16240-22NRL

Flann offer a complete range of Standard Gain Horn Antenna designed to the requirements of the Naval Research Laboratory (NRL) Report No. 4433.

These antennas are in the industry recognised standard gain calibration by the substitution method as described by ANSI/IEEE Standard 149-1979 Test Procedure for Antennas.

ORDERING INFORMATION

Model: Gain suffix; NRL; Description

Example: Model 12240-18NRL-AA NRL Standard Gain Horn, 18 dB

Series 240-NRL

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Specifications

Model	Waveguide			Frequency (GHz)	Design Point	
	WG	R	WR		Frequency (MHz)	Gain (dBi)
05240-13NRL	5	12	770	0.95 - 1.15	1000	13.7
06240-15NRL	6	14	650	1.13 - 1.70	1300	15.5
08240-15NRL	8	22	430	1.70 - 2.60	1970	15.5
10240-18NRL	10	32	284	2.60 - 3.95	3000	18.0
12240-18NRL	12	48	187	3.95 - 5.88	4500	18.0
14240-22NRL	14	70	137	5.77 - 8.33	6315	22.1
15240-18NRL	15	84	112	6.98 - 10.0	7595	18.0
16240-22NRL	16	100	90	8.10 - 12.4	9375	22.1
18240-24NRL	18	140	62	12.4 - 18.07	16040	24.7
20240-24NRL	20	220	42	18.07 - 26.55	2400	24.7
22240-24NRL	22	320	28	26.55 - 38.96	35290	24.7

Examples of models available