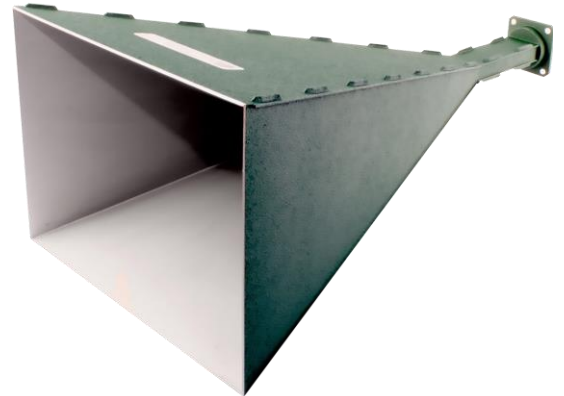




Features

- **Weatherproof Options**
- **Mounting Bracket Options**
- **Manufactured Brass, Copper or Aluminium**
- **Models from 1.14 to 750 GHz**



The Flann Standard Gain Horns have a wide range of applications, (e.g. as transmitting, receiving or sampling antennas or for feeding reflectors).

The absolute gain of a standard gain horn is calculable from the flare dimensions. Flann Standard Gain Horns are precision components providing accurate and repeatable gain references.

In general, the lower frequency horns, models 06240 to 22240 inclusive, are accurately fabricated from brass or aluminium sheet. Models 23240 to 32240 inclusive are copper electroformed on precision mandrels which ensure high accuracy and repeatability. Typical gain/bandwidth curves are provided for all standard gain horns. 10 dB, 15 dB, 20 dB, 25 dB, 30 dB and 33 dB gain horns are also available in many waveguide sizes.

NB:- 25 dB models are approximately three times the overall length of the corresponding 20 dB models.

Ordering Information

WG	Series	-	Gain	-	Construction Type *	Mounting or Membrane	Material *
WG06 - WM380	240		10 15 20 25 30 33		0 = Plates 1 = Electroformed 2 = Machined Split Block 3 = Additive Manufacture	0 = None 1 = Membrane 2 = Bracket 3 = Membrane & Bracket	0 = Brass 1 = Copper 2 = Aluminium

*Defined by Flann unless specifically requested

Example: Model 26240-20-121 Standard Gain Horn, 20 dB

**Specifications**

Variation of mid-band gain with frequency: ± 2 dB
Maximum of VSWR (20 dB models): 1.2 : 1

Model	Frequency Range (GHz)	Waveguide			Standard Mid-Band Gain (dB)
		WG	R	WR	
06240	1.14 – 1.73	6	14	650	10
08240	1.72 – 2.61	8	22	430	10
10240	2.60 – 3.95	10	32	284	15
11A240	3.22 – 4.90	11A	40	229	15
12240	3.94 – 5.99	12	48	187	20
13240	4.64 – 7.05	13	58	159	20
14240	5.38 – 8.18	14	70	137	20
15240	6.58 – 10.0	15	84	112	20
16240	8.20 – 12.5	16	100	90	20
17240	9.84 – 15.0	17	120	75	20
18240	11.9 – 18.0	18	140	62	20
19240	14.5 – 22.0	19	180	51	20
20240	17.6 – 26.7	20	220	42	20
21240	21.7 – 33.0	21	260	34	20
22240	26.4 – 40.1	22	320	28	20
23240	33.0 – 50.1	23	400	22	20
24240	39.3 – 59.7	24	500	19	20
25240	49.9 – 75.8	25	620	15	20
26240	60.5 – 92.0	26	740	12	20
27240	73.8 – 112	27	900	10	20
28240	92.3 – 140	28	1200	8	20
29240	114 – 173	29	1400	6	20
30240	145 – 220	30	1800	5	20
31240	172 – 261	31	2200	4	20
32240	217 – 330	32	2600	3	20

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