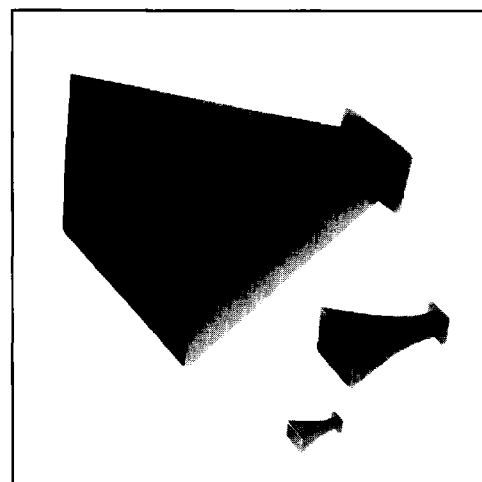


1.12-40 GHz

STANDARD GAIN HORNS

- Primary Standard of Antenna Gain
- 10 Models Cover from 1.12 GHz to 40 GHz

**SPECIFICATIONS**

FREQUENCY RANGE (GHz)	MODEL	BAND	WAVEGUIDE SIZE	INPUT FLANGE EQUIVALENT	VSWR (Max)	CON-STRUCTION	WEIGHT lbs.	Kg
1.12-1.7	646	L	WR-650	UG-418A/U	1.25	FA	42	19.1
1.70-2.6	645	LS	WR-430	UG-437A/U	1.25	FA	11	5
2.60-3.95	644	S	WR-284	UG-584/U	1.15	PA	6	2.8
3.95-5.85	643	C	WR-187	UG-407/U	1.15	PA	2.3	1.1
5.4-8.20	642	XN	WR-137	UG-441/U	1.15	PA	1.0	0.5
7.05-10	641	XB	WR-112	UG-138/U	1.15	PA	0.5	0.23
8.20-12.4	640	X	WR-90	UG-135/U	1.15	PA	0.5	0.23
12.4-18	639	KU	WR-62	UG-419/U	1.15	PA	0.2	0.1
18-26.5	638	K	WR-42	UG-595/U	1.15	PB	0.2	0.1
26.5-40	V637	V	WR-28	UG-599/U	1.15	PB	0.1	0.05

FA = Fabricated Aluminum

PA = Precision Aluminum

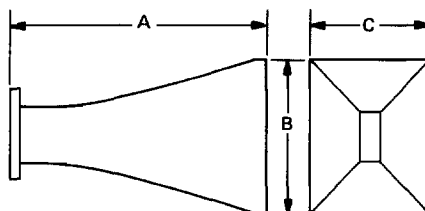
PB = Precision Bronze

PA = Precision Casting

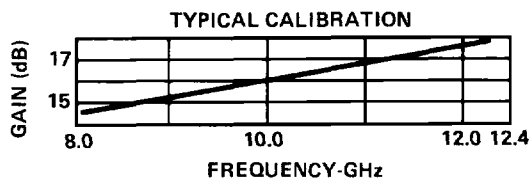
Gain at Mid Frequency and Variation; 16.5 dB with reference to isotropic radiation, variation is 1.5 dB over total band about the mid band value.

OUTLINE DRAWING

Standard Gain Horn



MODEL	A MAX	B MAX	C MAX
V637	1.76 (44.7)	1.06 (26.9)	.82 (20.8)
638	2.57 (65.2)	1.51 (38.3)	1.16 (29.4)
639	3.48 (88.3)	2.20 (55.8)	1.73 (43.9)
640	5.06 (128.5)	3.09 (78.4)	3.34 (59.4)
641	6.31 (160.2)	3.83 (97.2)	2.87 (72.8)
642	7.76 (197.1)	4.67 (118.6)	3.53 (89.6)
643	10.47 (265.9)	6.34 (161.0)	4.80 (121.9)
644	15.82 (401.8)	9.52 (241.8)	7.16 (181.8)
645	16.91 (439.7)	14.24 (361.6)	10.43 (264.9)
646	24.91 (632.7)	21.31 (541.2)	15.88 (403.3)



Dimensions in parentheses are in millimeters and for reference only.

All dimensions Max. unless otherwise specified.