

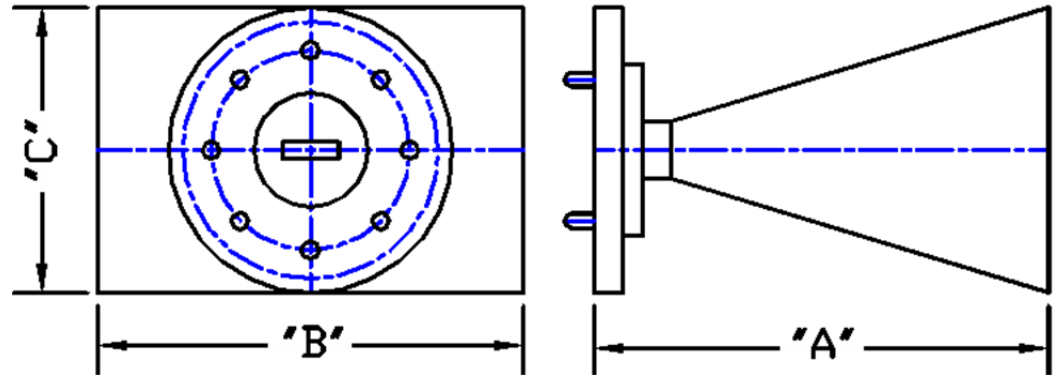
RADITEK

SATCOM

Gain Horn Antenna

Antenna Gain Horn

1-110 GHz, Split Bands



These antennas have an optimum length of flare for the specified gain, and for maintaining the lowest VSWR. Gain variation across the bandwidth of the antenna is less than 1.5 dB from the nominal value.

Order Examples: RANT-GH-18.0-26.5-20d-f23

Description: (Antenna, Gain Horn, 18-26.5GHz, 20db Gain)

Specifications:

Frequency (GHz)	Connectors	Flange/Coax	Nominal Gain(dBi)	VSWR(Max) :1(Ratio)	DIM. A (mm)	DIM. B (mm)	DIM. C(mm)
1.0-18.0	Coax	Type N	6-10	2.50	250.0	244.0	158.0
1.0-12.0	Coax	Type N	8-12	2.50	245.0	193.0	148.0
8.2-12.4	WR-90	UG135/U	20	1.20	157.0	140.0	104.0
8.2-12.4	WR-90	UG135/U	25	1.20	552.0	249.0	184.8
10.0-15.0	WR-75	UBR-120	20	1.20	130.0	117.0	87.0
10.0-15.0	WR-75	UBR-120	25	1.20	460.0	208.0	154.0
12.4-18.0	WR-62	UG 419/U	20	1.20	112.0	101.0	74.0
12.4-18.0	WR-62	UG 419/U	25	1.20	394.3	178.0	132.0
15.0-22.0	WR-51	UBR-180	20	1.20	TBD	TBD	TBD
15.0-22.0	WR-51	UBR-180	25	1.20	TBD	TBD	TBD
18.0-26.5	WR-42	UG 595/U	20	1.20	71.3	64.0	47.0
18.0-26.5	WR-42	UG 595/U	25	1.20	251.0	114.0	84.0
22.0-33.0	WR-34	UBR-260	20	1.20	60.2	54.0	40.0
22.0-33.0	WR-34	UBR-260	25	1.20	212.0	96.0	71.1
26.5-40.0	WR-28	UG 599/U	20	1.20	49.0	44.0	33.0
26.5-40.0	WR-28	UG 599/U	25	1.20	173.0	77.9	57.7
33.0-50.0	WR-22	UG 383/U	20	1.15	47.0	34.9	26.8
33.0-50.0	WR-22	UG 383/U	25	1.20	143.0	61.0	47.0
40.0-60.0	WR-19	UG383/U-M	20	1.15	43.8	30.3	22.8
40.0-60.0	WR-19	UG383/U-M	25	1.20	123.9	51.5	39.2
50.0-75.0	WR-15	UG 385/U	20	1.15	37.5	24.7	19.0
50.0-75.0	WR-15	UG 385/U	25	1.25	102.4	42.0	32.0
60.0-90.0	WR-12	UG 387/U	20	1.20	33.0	21.0	16.3
60.0-90.0	WR-12	UG 387/U	25	1.20	82.5	33.3	25.0
75.0-110.0	WR-10	UG 387/UM	20	1.15	31.0	17.3	13.4
75.0-110.0	WR-10	UG 387/UM	25	1.20	64.4	28.8	21.9

Note: Other Gain Levels such as 10dBi; 18dBi; 23dBi and 30dBi are available on special order for most frequency ranges