

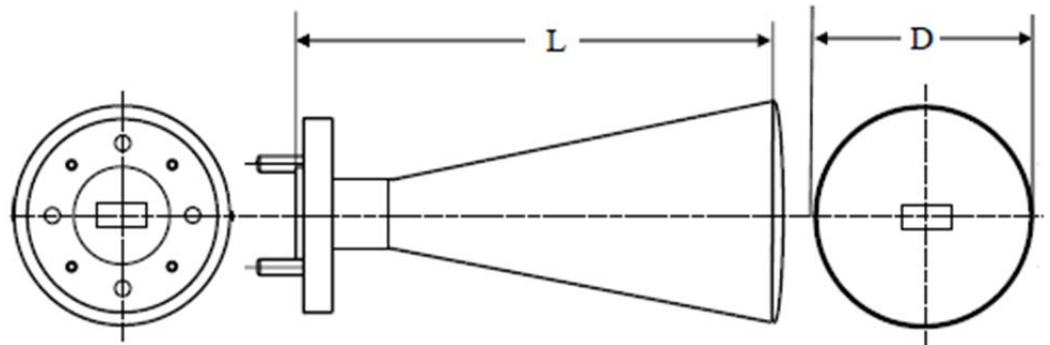
# RADITEK

## SATCOM Horn Antenna

### Standard Horn Antenna

18 GHz to 500 GHz, Split Bands

25-30 dB Gain



Outline Drawing Standard Gain Antenna

**Order Examples:** RANT-H-110-170-WR6-UG-387/U-M-25d-g8

**Description:** (Standard Gain Horn Antenna, 110-170GHz, Waveguide WR06, Flange UG-387/U-M, 25dB Gain)

*Additional Option: Pyramid Horn Antenna*

### Standard Gain Horn Antenna Specification

Frequency GHz	Waveguide	Flange	Gain, dB	Return loss, dB	D, mm	L mm
18-26,5	WR-42	UG-595/U	>25	20	98	137
26,5-40	WR-28	UG-599/U	>25	20	68	96
33-50	WR-22	UG-383/M	>25	20	56	75
40-60	WR-19	UG-383/U-M	>25	20	47	63
50-75	WR-15	UG-383/U-M	>25	20	39	69
60-90	WR-12	UG-387/U	>25	20	33	58
75-110	WR-10	UG-387/U-M	>25	20	28	49
90-140	WR-08	UG-387/U-M	>25	20	24	40
110-170	WR-06	UG-387/U-M	>25	20	19	40
140-220	WR-05	UG-387/U-M	>25	20	15	31
170-260	WR-04	UG-387/U-M	>25	20	13	27
220-325	WR-03	UG-387/U-M	>25	20	11	22
325-400	WR-2.8	UG-387/U-M	>28	20	11	22
400-500	WR-2.2	UG-387/U-M	>30	20	11	22

RANT-H-18-500-WRxx-UG-xx-Family-g8

Specifications may be subject to change

04/18/18

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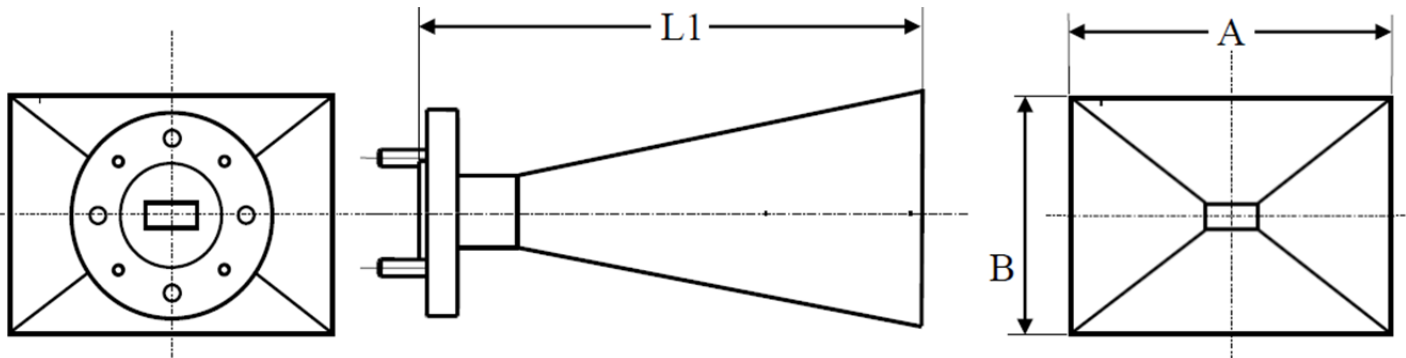
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## Standard Horn Antenna, 18 GHz to 325 GHz Split Bands, 25 dB Gain



Outline Drawing Gain Pyramid Horn Antenna

### Pyramidal Horn antenna Specification

Frequency GHz	Waveguide	Flange	Gain, dB	Return Loss dB	D mm	L1 mm	A mm	B mm
18-26,5	WR-42	UG-595/U	>25 / 24	20	98	1216	103.9	79.0
26,5-40	WR-28	UG-599/U	>25 / 24	20	68	145	69.6	52.9
33-50	WR-22	UG-383/M	>25 / 24	20	56	116	55.7	42.4
40-60	WR-19	UG-383/U-M	>25 / 24	20	47	96	46.2	35.1
50-75	WR-15	UG-383/U-M	>25 / 24	20	39	77	37.0	28.1
60-90	WR-12	UG-387/U	>25 / 24	20	33	64	30.7	23.3
75-110	WR-10	UG-387/U-M	>25 / 24	20	28	52	25.0	19.0
90-140	WR-08	UG-387/U-M	>25 / 24	20	24	42	20.0	15.3
110-170	WR-06	UG-387/U-M	>25 / 24	20	19	34	16.5	12.5
140-220	WR-05	UG-387/U-M	>25 / 24	20	15	27	13.0	9.8
170-260	WR-04	UG-387/U-M	>25 / 24	20	13	23	10.8	8.2
220-325	WR-03	UG-387/U-M	>25 / 24	20	11	18	8.5	6.5