

# The *OmniLynx* **OTA-OV/SV/SH**

## MMDS transmit antenna

The OmniLynx series of the omnidirectional and sectoral MMDS antennas are designed for wireless broadcast distribution of multimedia services and offer the best price/performance of any MMDS antenna available on the market. These rugged antennas, protected by a fibreglass radome and at DC ground for lightning protection are available in various models and gains.



<i>Model</i>	<i>OTA-OV</i> Omnidirectional	<i>OTA-SV</i> Sectoral 90°, 120°, 180°	<i>OTA-SH</i> Sectoral 85°
<b><u>Electrical Specifications</u></b>			
Frequency range	2500-2700 MHz	2500-2700 MHz	2500-2700 MHz
Gain (dBi)	10/12 dBi	12.5 to 16 dBi	13/15 dBi
Return Loss dB (VSWR)	>14 (1.5:1)	>14 (1.5:1)	>14 (1.5:1)
Polarization	Vertical	Vertical	Horizontal
Front to back ratio (dB)	N/A	25dB@90° 20dB@120° 15dB@180°	18 dB
Input power rating	100 watts	150 watts	50 watts
H. plane beamwidth	360°	90°, 120°, 180°	85°
E. plane beamwidth	8°/4°	16°/8°	18°
Electrical downtilt	0° or 2°	0°, 2° or 4°	N/A
Polarity discrimination	20dB	20dB	15dB
Impedance	50 ohms	50 ohms	50 ohms
Input connector	N female	N female	N female
<b><u>Mechanical specifications</u></b>			
Length	1219/2032mm	1067/1524mm	1016mm
Diameter	57mm	159mm	203mm
Weight	6.8/8.1 Kg	7.3/12.7Kg	7.3Kg
Rated wind velocity	200 km/h	200 km/h	200km/h
Mounting pipe	44-102mm	44-102mm	44-102mm
<b><u>Materials</u></b>			
Radiating element	Copper	Stainless steel	Plated copper on PCB
Radome	Grey UV fibreglass	Grey UV fibreglass	Grey UV ASA



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