

WIRELESS CABLE TRANSMIT ANTENNAS

2500–2700 MHz (MMDS/ITFS)



Loma Scientific International proudly offers a complete range of professional transmit antennas for Wireless Cable applications. This product line offers a number of advantages, including:

- VSWR performance is 1.2:1 (or better) across the full 200 MHz operating bandwidth from 2500-2700 MHz.
- A 1200 Watt input power rating is standard, with an 1800 Watt rating available in our 6, 8 and 12 module antennas.
- A selection of gain options and azimuth patterns can be chosen as required to optimize a particular geographical coverage.
- Parallel feed system design provides maximum stability.
- Electrical Beamtilt and null fill provide coverage enhancement.
- Designed for severe environments, no pressurization is required.
- Superb performance and long-term reliability plus product support are readily available from a world leader in antenna technology.

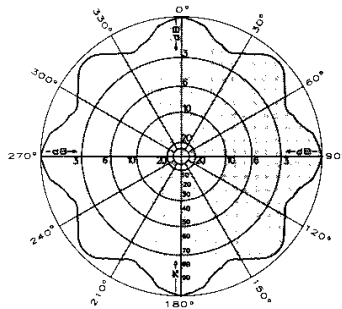
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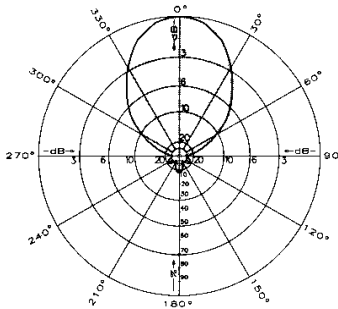
Horizontal Half-power Beamwidth	Gain	Model	Polarization	Weight	Height	Equivalent Flat Plate Area
Omni	12.4 dBi	MMH-4/O	Horizontal	60 lb (27 kg)	66.9 inches (1700 mm)	1.72 ft ² (0.16 m ²)
	12.4 dBi	MMV-4/O	Vertical	60 lb (27 kg)	66.9 inches (1700 mm)	1.72 ft ² (0.16 m ²)
	14.1 dBi	MMH-6/O	Horizontal	77 lb (35 kg)	86.6 inches (2200 mm)	2.26 ft ² (0.21 m ²)
	14.1 dBi	MMV-6/O	Vertical	77 lb (35 kg)	86.6 inches (2200 mm)	2.26 ft ² (0.21 m ²)
	15.2 dBi	MMH-8/O	Horizontal	95 lb (43 kg)	110.2 inches (2800 mm)	3.23 ft ² (0.3 m ²)
	15.2 dBi	MMV-8/O	Vertical	95 lb (43 kg)	110.2 inches (2800 mm)	3.23 ft ² (0.3 m ²)
	16.4 dBi	MMH-12/O	Horizontal	139 lb (63 kg)	157.5 inches (4000 mm)	4.84 ft ² (0.45 m ²)
	16.4 dBi	MMV-12/O	Vertical	139 lb (63 kg)	157.5 inches (4000 mm)	4.84 ft ² (0.45 m ²)
70°	18.5 dBi	MMH-4/C	Horizontal	60 lb (27 kg)	66.9 inches (1700 mm)	1.72 ft ² (0.16 m ²)
	18.5 dBi	MMV-4/C	Vertical	60 lb (27 kg)	66.9 inches (1700 mm)	1.72 ft ² (0.16 m ²)
	20.2 dBi	MMH-6/C	Horizontal	77 lb (35 kg)	86.6 inches (2200 mm)	2.26 ft ² (0.21 m ²)
	20.2 dBi	MMV-6/C	Vertical	77 lb (35 kg)	86.6 inches (2200 mm)	2.26 ft ² (0.21 m ²)
	21.3 dBi	MMH-8/C	Horizontal	95 lb (43 kg)	110.2 inches (2800 mm)	3.23 ft ² (0.3 m ²)
	21.3 dBi	MMV-8/C	Vertical	95 lb (43 kg)	110.2 inches (2800 mm)	3.23 ft ² (0.3 m ²)
	22.5 dBi	MMH-12/C	Horizontal	139 lb (63 kg)	157.5 inches (4000 mm)	4.84 ft ² (0.45 m ²)
	22.5 dBi	MMV-12/C	Vertical	139 lb (63 kg)	157.5 inches (4000 mm)	4.84 ft ² (0.45 m ²)
150°	15.5 dBi	MMH-4/B	Horizontal	60 lb (27 kg)	66.9 inches (1700 mm)	1.72 ft ² (0.16 m ²)
	15.5 dBi	MMV-4/B	Vertical	60 lb (27 kg)	66.9 inches (1700 mm)	1.72 ft ² (0.16 m ²)
	17.2 dBi	MMH-6/B	Horizontal	77 lb (35 kg)	86.6 inches (2200 mm)	2.26 ft ² (0.21 m ²)
	17.2 dBi	MMV-6/B	Vertical	77 lb (35 kg)	86.6 inches (2200 mm)	2.26 ft ² (0.21 m ²)
	18.3 dBi	MMH-8/B	Horizontal	95 lb (43 kg)	110.2 inches (2800 mm)	3.23 ft ² (0.3 m ²)
	18.3 dBi	MMV-8/B	Vertical	95 lb (43 kg)	110.2 inches (2800 mm)	3.23 ft ² (0.3 m ²)
	19.5 dBi	MMH-12/B	Horizontal	139 lb (63 kg)	157.5 inches (4000 mm)	4.84 ft ² (0.45 m ²)
	19.5 dBi	MMV-12/B	Vertical	139 lb (63 kg)	157.5 inches (4000 mm)	4.84 ft ² (0.45 m ²)
240°	14.1 dBi	MMH-4/A	Horizontal	60 lb (27 kg)	66.9 inches (1700 mm)	1.72 ft ² (0.16 m ²)
	14.1 dBi	MMV-4/A	Vertical	60 lb (27 kg)	66.9 inches (1700 mm)	1.72 ft ² (0.16 m ²)
	15.8 dBi	MMH-6/A	Horizontal	77 lb (35 kg)	86.6 inches (2200 mm)	2.26 ft ² (0.21 m ²)
	15.8 dBi	MMV-6/A	Vertical	77 lb (35 kg)	86.6 inches (2200 mm)	2.26 ft ² (0.21 m ²)
	16.9 dBi	MMH-8/A	Horizontal	95 lb (43 kg)	110.2 inches (2800 mm)	3.23 ft ² (0.3 m ²)
	16.9 dBi	MMV-8/A	Vertical	95 lb (43 kg)	110.2 inches (2800 mm)	3.23 ft ² (0.3 m ²)
	18.1 dBi	MMH-12/A	Horizontal	139 lb (63 kg)	157.5 inches (4000 mm)	4.84 ft ² (0.45 m ²)
	18.1 dBi	MMV-12/A	Vertical	139 lb (63 kg)	157.5 inches (4000 mm)	4.84 ft ² (0.45 m ²)
Bidirectional	16 dBi	MMH-4/H	Horizontal	60 lb (27 kg)	66.9 inches (1700 mm)	1.72 ft ² (0.16 m ²)
	16 dBi	MMV-4/H	Vertical	60 lb (27 kg)	66.9 inches (1700 mm)	1.72 ft ² (0.16 m ²)
	17.7 dBi	MMH-6/H	Horizontal	77 lb (35 kg)	86.6 inches (2200 mm)	2.26 ft ² (0.21 m ²)
	17.7 dBi	MMV-6/H	Vertical	77 lb (35 kg)	86.6 inches (2200 mm)	2.26 ft ² (0.21 m ²)
	18.8 dBi	MMH-8/H	Horizontal	95 lb (43 kg)	110.2 inches (2800 mm)	3.23 ft ² (0.3 m ²)
	18.8 dBi	MMV-8/H	Vertical	95 lb (43 kg)	110.2 inches (2800 mm)	3.23 ft ² (0.3 m ²)
	20 dBi	MMH-12/H	Horizontal	139 lb (63 kg)	157.5 inches (4000 mm)	4.84 ft ² (0.45 m ²)
	20 dBi	MMV-12/H	Vertical	139 lb (63 kg)	157.5 inches (4000 mm)	4.84 ft ² (0.45 m ²)

General Specifications:

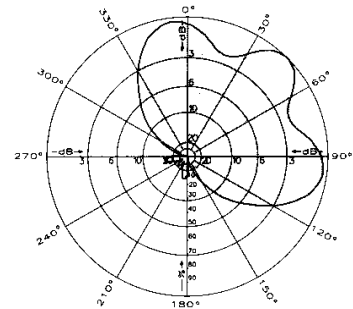
Frequency	2500–2700 MHz (broadband)
Impedance	50 ohms
VSWR	< 1.2:1
Maximum input power	1200 watts
Electrical downtilt	1 degree standard (other values optional)
Null fill	15% standard (other values optional)
Termination	7/8 EIA flange
Wind survival rating	140 mph (230 kph)
Mounting	Heavy cast aluminum flange mounts to top of support structure. Directional models may be side-mounted using optional bracket.



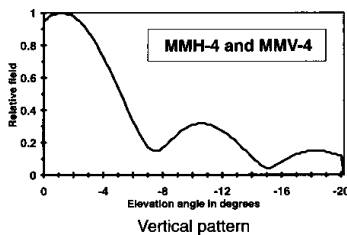
Omni
Horizontal pattern



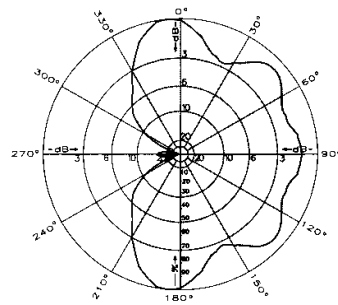
70 degree
Horizontal pattern



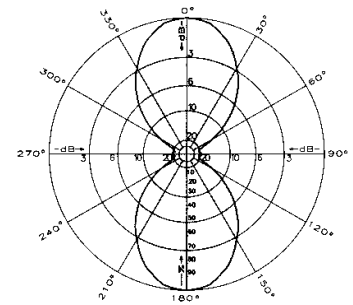
150 degree
Horizontal pattern



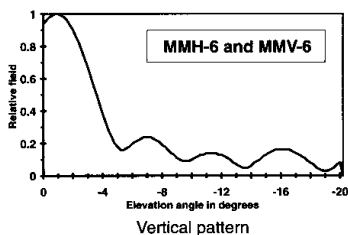
Vertical pattern



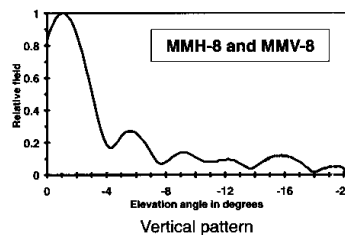
240 degree
Horizontal pattern



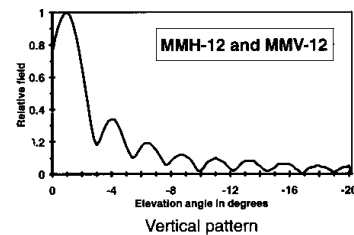
Bidirectional
Horizontal pattern



Vertical pattern



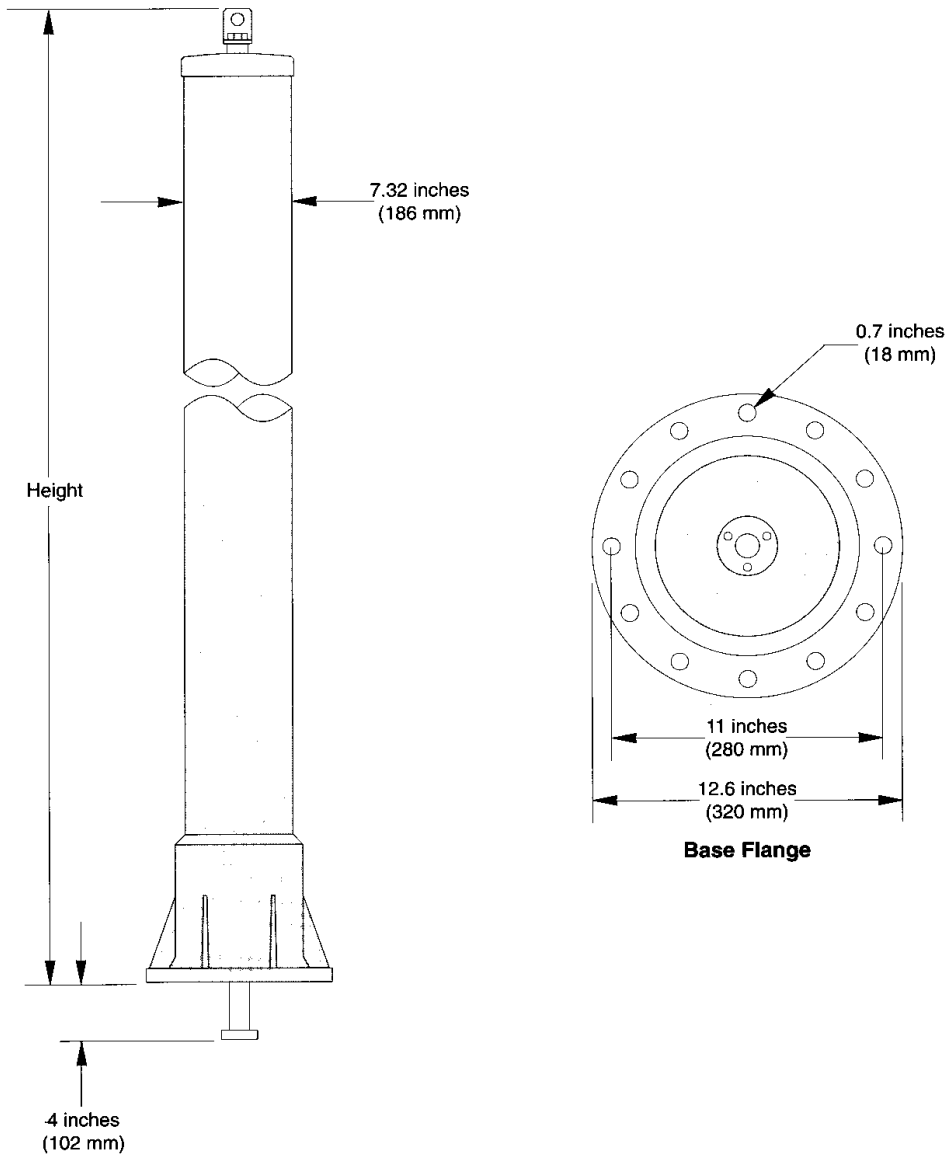
Vertical pattern



Vertical pattern

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All specifications are subject to change without notice.