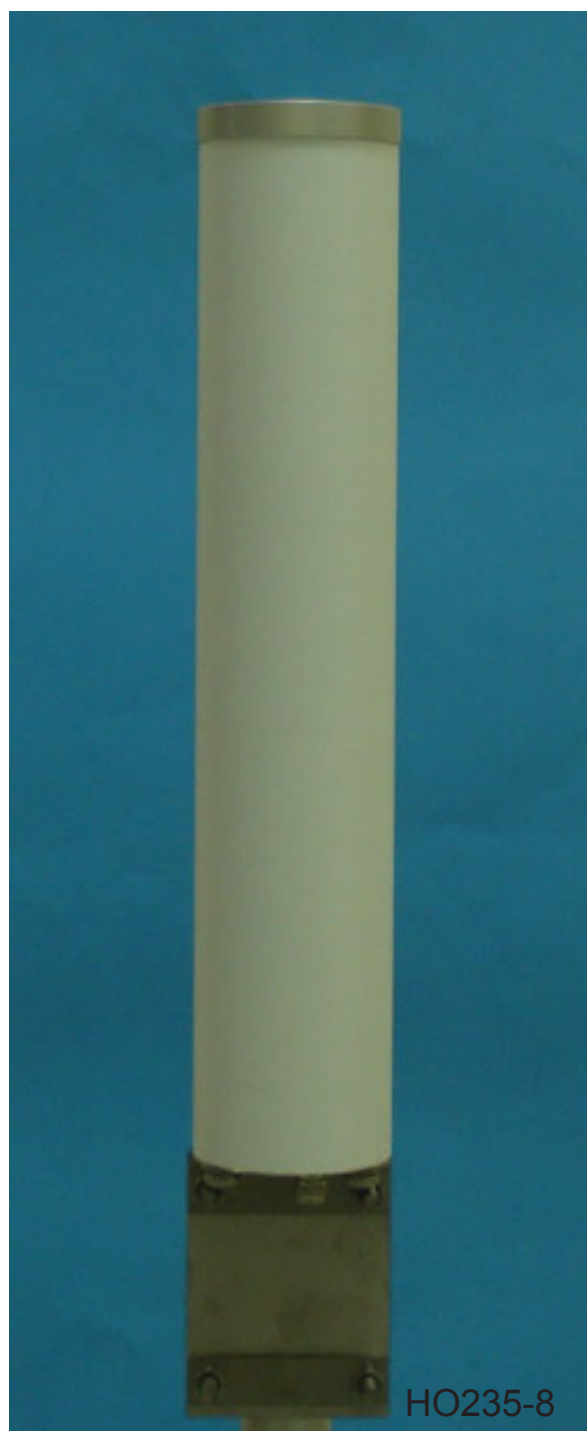


HORIZONTALLY POLARIZED OMNIDIRECTIONAL ANTENNAS.



Peak Antennas' new **horizontally** polarized omni antennas comprise tiers of horizontally polarized radiating elements around a central support. The unique layout of the feed structure, baluns and horizontal dipoles provides a near perfect omnidirectional radiation pattern, while facilitating 2, 3 and 4 tier versions, providing gains of 4.5, 6 and 8dBi.

The antenna structure is aluminum, with brass radiating elements and low loss microwave laminate for the power distribution and balun circuits. Housed in a robust fibreglass tube, painted white or black and with stainless steel bracket and U bolts for mounting. The antennas feature a breathe hole in the base for long life protection of seals from pressure cycling.

Specifications:

Designation:	HOXXX-Y
Frequency Bands:	See table (over)
Polarization:	Horizontal
Gain:	4.5, 6 or 8dBi
Elevation-3dBB/W:	35, 27 or 18 degrees
Azimuth B/W:	360 deg (ripple +/- 0.5dB)
Return Loss:	14dB (1.5:1 VSWR) typical
Power:	10W
Connector:	N female
Mount:	Stainless steel bracket and U bolts.

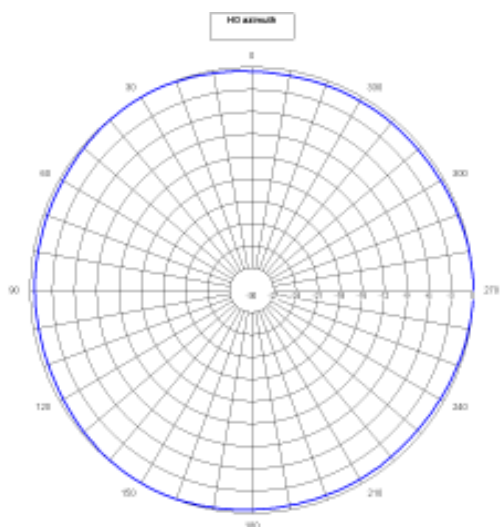
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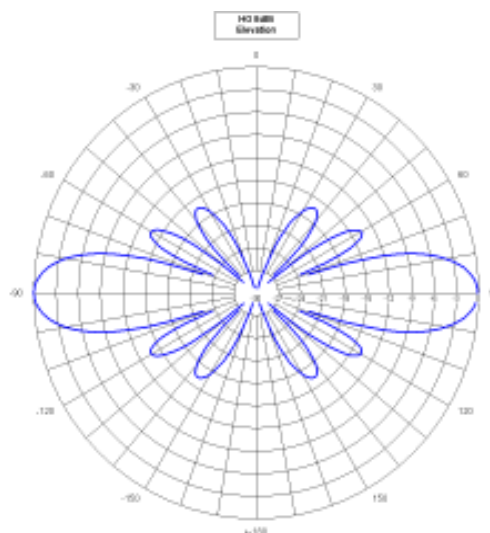
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HORIZONTALLY POLARIZED OMNIDIRECTIONAL ANTENNAS.

Designation	Frequency	Gain	Elevation -3dB B/W	Diameter	Length
HO210-8	2.0-2.2 GHz	8 dBi	18 deg	92.5mm (3.6")	500mm (19.7")
HO235-4.5	2.2-2.5 GHz	4.5 dBi	35 deg	85.8mm (3.4")	258mm (10.2")
HO235-6	2.2-2.5 GHz	6 dBi	27 deg	85.8mm (3.4")	354mm (13.9")
HO235-8	2.2-2.5 GHz	8 dBi	18 deg	85.8mm (3.4")	449mm (17.7")
HO470-6	4.4-5.0 GHz	6 dBi	27 deg	43.4mm (1.7")	194mm (7.6")
HO470-8	4.4-5.0 GHz	8 dBi	18 deg	43.4mm (1.7")	242mm (9.5")



Azimuth radiation pattern



Elevation radiation pattern (-8)

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