

Cellular Cross Polarized High Band Antenna, 2300-2700, 65deg, 18.6dBi, 1.3m, VET, 0-12deg

Product Description

This antenna is an excellent choice for LTE and WiMAX networks where high gain is required.

Features/Benefits

- Variable electrical downtilt – provides enhanced precision in controlling intercell interference. The tilt is infield adjustable 0-10 deg.
- High Suppression of all Upper Sidelobes
- Optional remote tilt – can be retrofitted
- Broadband design
- Dual polarization
- Low profile for low visual impact
- Quick and easy to adjust
- High front-to-back ratio



Technical Specifications

Electrical Specifications

Frequency Range, MHz	2300-2700
Horizontal Beamwidth, deg	60
Vertical Beamwidth, deg	5.7
Electrical Downtilt Range, deg	0-12
Gain, dBi (dBd)	18.6 (16.5)
Upper Sidelobe Suppression, dB	> 17 Typical
Front-To-Back Ratio, dB	> 30
Polarization	Dual pol +/-45°
VSWR	< 1.5:1
Isolation between Ports, dB	> 30
3rd Order IMP @ 2 x 43 dBm, dBc	> 150
Impedance, Ohms	50
Maximum Power Input, W	270
Lightning Protection	Direct Ground
Connector Type/Location	(2) 7-16 Long Neck Female/Bottom

Mechanical Specifications

Dimensions - HxWxD, mm (in)	1391 x 175 x 110 (54.8 x 6.9 x 4.3)
Weight w/o Mtg Hardware, kg (lb)	7 (15.4)
Survival/Rated Wind Speed, km/h (mph)	200 (125) / 160 (100)
Wind Load @ Rated Wind, Front, N (lbf)	310 (69.7)
Wind Load @ Rated Wind, Max., N (lbf)	310 (69.7)
Wind Load @ Rated Wind, Side, N (lbf)	120 (27.0)
Wind Load @ Rated Wind, Rear, N (lbf)	210 (47.2)
Operation temperature, °C (°F)	-40 to +60 (-40 to +140)
Radome Material/Color	ASA Plastic/Light Grey RAL7035
Mounting Hardware Material	Diecasted Aluminum and Stainless Steel
Radiating Element Material	Aluminum
Reflector Material	Aluminum
Shipping Weight, kg (lb)	13.1 (28.9)
Packing Dimensions, HxWxD, mm (in)	1469 x 267 x 229 (57.83 x 10.5 x 9)

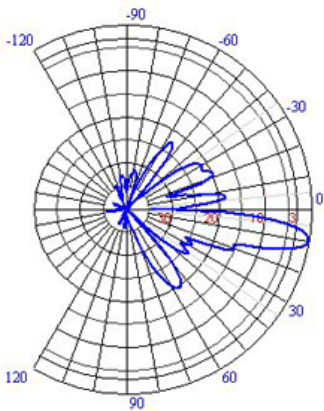
Ordering Information

Mounting Hardware	APM40-2
Mounting Pipe Diameter, mm (in)	60-120 (2.36-4.72)
Mounting Hardware Weight, kg (lb)	3.4 (7.5)

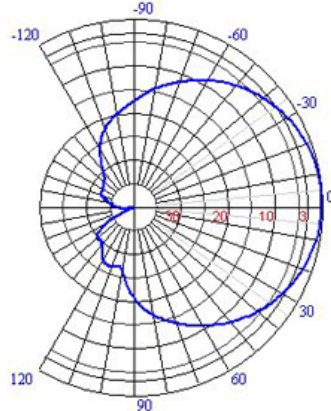
All information contained in the present datasheet is subject to confirmation at time of ordering



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Vertical Pattern



Horizontal Pattern

Notes

For additional mounting information please click "External Document Link" below.

External Document Links

- [APM40 Series Datasheet](#)
- [APM40 Series Installation Instructions](#)

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