



Optimizer® Dual Polarized Antenna, 698-896, 65deg, 14.1dBi, 1.3m, FET, 0deg

Product Description

Wideband antenna for dense networks where site aspect is essential.

Features/Benefits

- Wideband performance 698-896 MHz
- High sidelobe suppression
- Null fill
- Dual polarization
- High front-to-back ratio



Technical Specifications

Electrical Specifications

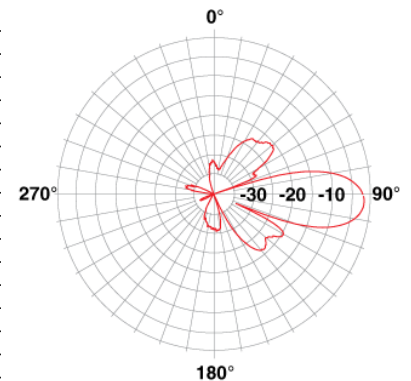
Frequency Range, MHz	698-896
Horizontal Beamwidth, deg	66 +/-5
Vertical Beamwidth, deg	15-19
Electrical Downtilt, deg	0
Gain, dBi (dBd)	14.1 (12)
1st Upper Sidelobe Suppression, dB	>18
Upper Sidelobe Suppression, dB	>18
Front-To-Back Ratio, dB	>30
Polarization	Slant +/-45 degrees
VSWR	1.35:1
Isolation between Ports, dB	>30
3rd Order IMP @ 2 x 43 dBm, dBc	>150
Impedance, Ohms	50
Maximum Power Input, W	500
Lightning Protection	Chassis Ground
Connector Type	(2) 7-16 Long Neck DIN Female

Mechanical Specifications

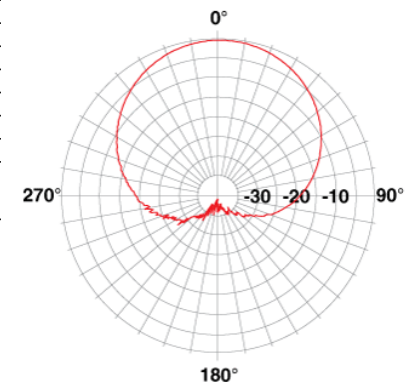
Dimensions - HxVxD, mm (in)	1320.8 x 311.2 x 120.7 (52 x 12.25 x 4.75)
Weight w/o Mtg Hardware, kg (lb)	9.0 (19.8)
Survival Wind Speed, km/h (mph)	200 (125)
Rated Wind Speed, km/h (mph)	160 (100)
Max Wind Loading Area, m ² (ft ²)	0.41 (4.39)
Radome Material	ASA Plastic
Radome Color	Light Grey RAL7035
Mounting Hardware Material	Diecasted Aluminum

Ordering Information

Mounting Hardware	APM40-2
Mounting Hardware Weight, kg (lb)	3.4 (7.5)



Vertical Pattern



Horizontal Pattern

Other Documentation

- [APM40_Universal_Mount_Issue6.pdf](#)
- [APM40_Series_Installation_Instructions.pdf](#)