APXV18-206517H-C

Optimizer® Dual Polarized Antenna, 1710-2200, 65deg, 18.5-19dBi, 1.9m, VET, 0-10deg

Product Description

This antenna is an excellent choice for 3G, PCS, GSM1800 and Mobile TV networks where high gain is required.

Features/Benefits

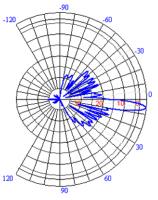
•Variable electrical downtilt – provides enhanced precision in controlling

- intercell interference. The tilt is infield adjustable 0-10 deg.
- •High Suppression of all Upper Sidelobes (Typically <-20dB)
- •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

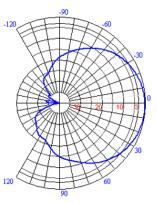


Technical Specifications

Electrical Specifications			
Frequency Range, MHz	1710-1880	1850-1990	1900-2200
Horizontal Beamwidth, deg	67	67	65
Vertical Beamwidth, deg	5	4.8	4.6
Electrical Downtilt, deg		0-10	
Gain, dBi (dBd)	18.5 (16.4)	18.5 (16.4)	19 (16.9)
1st Upper Sidelobe Suppression, dB	> 18 all (typically > 20)		
Front-To-Back Ratio, dB	Typically 30		
Polarization	Dual pol +/-45°		
VSWR	< 1.5:1, < 1.4:1, < 1.4:1		
Isolation between Ports, dB	> 30		
3rd Order IMP @ 2 x 43 dBm, dBc	> 150, >150, N/A		
7th Order IMP @ 2 x 38 dBm, dBc	N/A, N/A, >170		
Impedance, Ohms	50		
Maximum Power Input, W	300		
Lightning Protection	Direct Ground		
Connector Type	(2) 7-16 Long Neck Female		
Mechanical Specifications			
Dimensions - HxWxD, mm (in)	1910 x 175 x 110 (75.2 x 6.9 x 4.3)		
Weight w/o Mtg Hardware, kg (lb)	10 (22)		
Survival Wind Speed, km/h (mph)	200 (125)		
Rated Wind Speed, km/h (mph)	160 (100)		
Max Wind Loading Area, m ² (ft ²)	0.33 (3.6)		
Front Thrust @ Rated Wind, N (lbf)	430 (96.7)		
Maximum Thrust @ Rated Wind, N (lbf)	430 (96.7)		
Wind Load - Side @ Rated Wind, N (lbf)	190 (42.7)		
Wind Load - Rear @ Rated Wind, N (lbf)	210 (47.2)		
Radome Material	PVC		
Radome Color	Light Grey RAL7035		
Mounting Hardware Material	Diecasted Aluminum and Stainless Steel		
Shipping Weight, kg (lb)	16 (35.2)		
Packing Dimensions, HxWxD, mm (in)	2059 x 267 x 229 (57.83 x 10.5 x 9)		
Ordering Information			
Mounting Hardware	APM40-2		
Mounting Pipe Diameter, m (in)	.0612 (2.36-4.72)		
	3.4 (7.5)		



Vertical Pattern



Horizontal Pattern

RFS The Clear Choice ® Please visit us on the internet at http://www.rfsworld.com/ APXV18-206517H-C

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