PRODUCT DATASHEET

Discontinued product **APXE20-CT0**

Optimizer® Panel Dual Polarized Antenna, 790-960, 65deg, 17dBi, 2.0m, FET, 0deg

Dense urban network optimization.

FEATURES / BENEFITS

- High sidelobe suppression
- Null fill
- Dual polarization



Technical features

ELECTRICAL SPECIFICATIONS				
Frequency Range	MHz	790-806	806-870	870-960
Gain	dBi (dBd)	15.5 (13.4)	16.5 (14.4)	17.0 (15.9)
Horizontal Beamwidth	deg	69	67	65
Vertical Beamwidth	deg	11	10	9.5
Electrical Downtilt Range	deg	0		
1st Upper Sidelobe Suppression	dB	>18		
Front-To-Back Ratio	dB	>25		
Polarization		Dual pol +/-45°		
VSWR		< 1.4:1		
Isolation between Ports	dB	>30		
3rd Order IMP @ 2 x 43 dBm	dBc	>150		
Impedance	Ohms	50		
Maximum Power Input	W	500		
Beamwidth Approximate	deg	65		
Antenna Type		Dual Polarized		
Electrical Down Tilt Option		Fixed		
MECHANICAL SPECIFICATIONS				
Lightning Protection		Direct Ground		
Connector Type/Location		(2) 7-16 Long Neck Female/Bottom		
Dimensions - HxWxD	mm (in)	1890 x 270 x 136(74.66x 10.51 x 5.37)		
Weight w/o Mtg Hardware	kg (lb)	12 (26.44)		
Survival/Rated Wind Speed	km/h (mph]	200 (125) / 160 (100)		
Applied Wind Load Standard		DIN 1055-4		
Wind Load @ Rated Wind, Front	N (lbf)	415 (93)		
Wind Load @ Rated Wind, Max.	N (lbf)	778 (175)		
Wind Load @ Rated Wind, Side	N (lbf)	286 (64.3)		
Wind Load @ Rated Wind, Rear	N (lbf)	603 (135.6)		
Mount Type		Downtilt		
Height (Approximate)	ft.	6.25		
TESTING AND ENVIRONMENTAL				
Operation temperature	°C (°F)	-40 to 60 (-40 to 140)		

All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering.

MATERIAL

Radome Material/Color		PVC/Light Grey RAL7035
Mounting Hardware Material		Included
Radiating Element Material		Aluminum
Reflector Material		Aluminum

ORDERING INFORMATION

Shipping Weight	kg (lb)	19.5 (42.9)
Packing Dimensions, HxWxD	mm (in)	2150 x 380 x 230(84.69 x 14.96 x 9.06)
Mounting Hardware		Included
Mounting Pipe Diameter	mm (in)	45 - 120 (1.7 - 4.7)
Mounting Hardware Weight	kg (lb)	4.3 (9.5)

External Document Links

Notes

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