

Outdoor Directional Tri-wideband Panel Antenna



ODV-065R16B16K16K

XXXPol, 806-960/1710-2170/1710-2170MHz,
65°, 16.0/16.2/16.5dBi



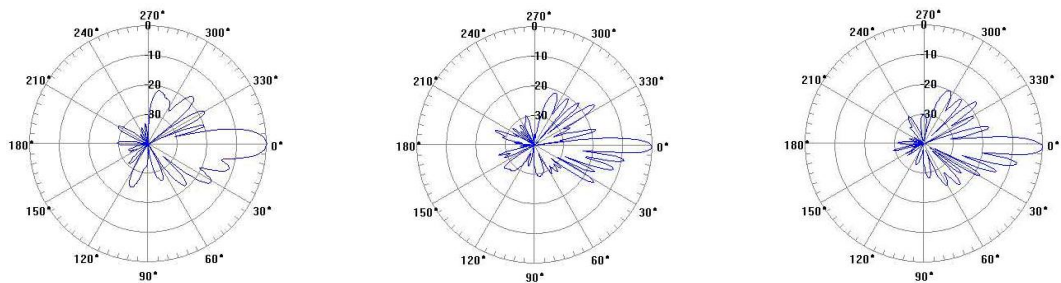
Technical Specifications

Electrical							
Frequency Range	MHz	806-960	870-960	1710-1880	1850-1990	1920-2170	
Polarization	deg	± 45					
Gain	Top	dBi	15.8	16.0	16.0	16.1	16.2
	Bottom				16.4	16.5	16.5
Horizontal Beamwidth	deg	65	65	66	65	63	
Vertical Beamwidth	deg	10	9	9.5	8.5	7.5	
Electrical Downtilt Range	deg	0-10					
First Upper Sidelobe Suppression	dB	≥17(0°), ≥15(5°),≥11(10°)		≥17(0°),≥15(4°), ≥12(7°)			
Front-To-Back Ratio	dB	> 25 (typ. >28)					
VSWR		≤ 1.5:1					
Isolation Between Ports	dB	> 28 (typ. >30)					
Isolation Between Ports (B/K, K/K)	dB	> 40, 36 (typ. >50, 40)					
Cross-polar Discrimination @ 0°	dB	> 17					
3rd Order Intermodulation @ 2x43 dBm	dBc	< -150					
Maximum Power per Port	W	250		100			
Impedance	Ω	50					
Lightning Protection		Direct Ground					

Mechanical		
Dimensions, HxWxD	mm (in)	2120x265x141 (83.5x10.4x5.6)
Weight, without Mounting Kit	kg (lb)	31.2 (68.8)
Weight, with Mounting Kit	kg (lb)	37.2 (82.0)
Radome Material and Color		Fiberglass, Light Grey, RAL7035
Mounting Kit		00-ZJ10(08)
Reflector Material		Aluminum
Radiating Element Material		Zinc Composite
Connector Type and Location		6 x 7/16 DIN-Female, Bottom
Operational Temperature	°C	-55 to +70
Operational Humidity	%	≤ 95
Operational Wind Speed	km/h (mph)	200 (124.3)
Shipping Dimensions, HxWxD	mm (in)	2450x375x265 (96.5x14.8x10.4)
Shipping Weight	kg (lb)	45.2 (99.6)

Antenna Pattern

Vertical pattern



Horizontal pattern

