

Outdoor Directional Dual-band Antenna

ODP-065R09M12J-G(2J)

- XX Pol, 65°Horizontal Beamwidth
- 694-960/1710-2690MHz
- 9.8/13.1dBi, FET-Tilt: 0-0

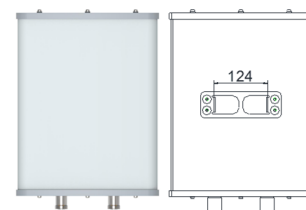
Electrical Specifications

Frequency Range (MHz)	R1 694-960				
	694-824		790-894		880-960
Polarization	±45°				
Gain (dBi)	9.4		9.7		9.8
Horizontal Beamwidth (°)	74		72		71
Vertical Beamwidth (°)	44.0		39.0		37.0
Fixed Electrical Downtilt (°)	0				
Front-To-Back Ratio, 180°±30° (dB)	≥20				
Cross-polar Discrimination@0° (dB)	≥17				
Maximum Power per Port (W)	150				
Frequency Range (MHz)	Y1 1710-2690				
	1710-1880	1850-1990	1920-2170	2300-2500	2490-2690
Polarization	±45°				
Gain (dBi)	11.7	12.2	12.4	12.7	13.1
Horizontal Beamwidth (°)	66	66	66	64	62
Vertical Beamwidth (°)	24.0	23.0	21.0	20.0	18.0
Fixed Electrical Downtilt (°)	0				
Front-To-Back Ratio, 180°±30° (dB)	≥22				
Cross-polar Discrimination@0° (dB)	≥17				
Maximum Power per Port (W)	150				
VSWR	≤1.5:1				
Isolation Intra-system (dB)	≥25				
IM3 (2x43 dBm Carrier) (dBc)	≤-150				
Impedance (Ω)	50				
Lightning Protection	Direct Ground				

Mechanical Specifications

Outline Drawing

Dimensions, HxWxD (mm) / (in)	416x320x145 / 16.4x12.6x5.7
Shipping Dimensions, HxWxD(mm) / (in)	520x435x290 / 20.5x17.1x11.4
Net Weight, Antenna (kg) / (lb)	5.2 / 11.5
Net Weight, Mounting Kit (kg) / (lb)	0.6 / 1.3
Shipping Weight (kg) / (lb)	7.5 / 16.5
Connector Type	2 x 7/16 DIN-Female
Connector Location	Bottom
Radome Material and Color	Fiberglass, Light Grey
Operational Temperature (°C)	-50 to +70
Operational Humidity (%)	≤95
Operational / Max Wind Speed (km/h)	150 / 200
Wind Load* @150km/h Frontal / Lateral / Rearside (N)	118 / 34 / 146



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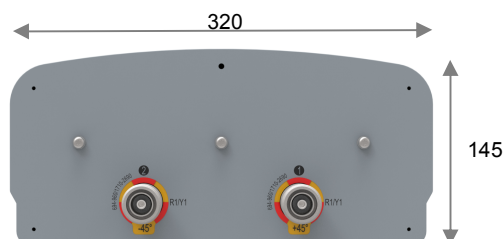
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- XX Pol, 65°Horizontal Beamwidth
- 694-960/1710-2690MHz
- 9.8/13.1dBi, FET-Tilt: 0-0

Electrical Specifications	BASTA Standard**				
Frequency Range (MHz)	R1 694-960				
	694-824	790-894	880-960		
Gain (dBi)	9.4±0.7	9.7±0.2	9.8±0.3		
Horizontal Beamwidth (°)	74±5	72±5	71±4		
Vertical Beamwidth (°)	44.0±4.0	39.0±3.0	37.0±3.0		
Front-To-Back Ratio, 180°±30° (dB)	≥20	≥22	≥23		
Cross-polar Discrimination@0° (dB)	≥20	≥22	≥22		
Cross-polar Discrimination over Sector (dB)	≥8	≥10	≥6		
Frequency Range (MHz)	Y1 1710-2690				
	1710-1880	1850-1990	1920-2170	2300-2500	2490-2690
Gain (dBi)	11.7±0.5	12.2±0.3	12.4±0.3	12.7±0.3	13.1±0.5
Horizontal Beamwidth (°)	66±6	66±4	66±4	64±4	62±5
Vertical Beamwidth (°)	24.0±1.0	23.0±2.0	21.0±2.0	20.0±3.0	18.0±1.0
Front-To-Back Ratio, 180°±30° (dB)	≥22	≥26	≥26	≥25	≥23
Cross-polar Discrimination@0° (dB)	≥20	≥19	≥19	≥22	≥21
Cross-polar Discrimination over Sector (dB)	≥12	≥13	≥13	≥11	≥7

**Values based on NGMN recommendations on Base Station Antenna Standards (BASTA).

Connector Position



Accessories

Model	Quantity	Description
00-ZJ16(15)	1	Mounting Kit, 0-15°tilt.