

Outdoor Directional Dual-band Antenna

ODP-065V11N

- VV Pol, 65° Horizontal Beamwidth
- 698-960/1710-2700MHz
- 10.6/11.0dBi

Electrical Specifications

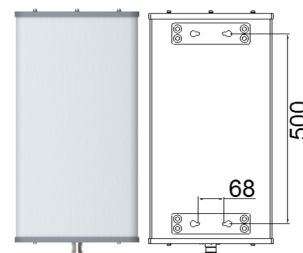
Frequency Range (MHz)	R 698-960				
	698-800		800-960		
Polarization	Vertical				
Gain (dBi)	10.5		10.6		
Horizontal Beamwidth (°)	70		67		
Vertical Beamwidth (°)	30		28		
Front-To-Back Ratio, 180°±30° (dB)	≥20				
Maximum Power per Port (W)	100				
Frequency Range (MHz)	Y 1710-2700				
	1710-1880	1850-1990	1920-2170	2300-2500	2490-2700
Polarization	Vertical				
Gain (dBi)	10.2	10.6	10.8	11.0	11.0
Horizontal Beamwidth (°)	69	67	65	64	62
Vertical Beamwidth (°)	32	29	28	31	34
Front-To-Back Ratio, 180°±30° (dB)	≥20				
Maximum Power per Port (W)	100				
VSWR	≤1.5:1				
IM3 (2x43 dBm Carrier) (dBc)	≤-150				
Impedance (Ω)	50				
Lightning Protection	Direct Ground				

Mechanical Specifications

Dimensions, HxWxD (mm) / (in)	610x320x145 / 24.0x12.6x5.7
Shipping Dimensions, HxWxD(mm) / (in)	890x430x260 / 35.0x16.9x10.2
Net Weight, Antenna (kg) / (lb)	6.4 / 14.1
Net Weight, Mounting Kit (kg) / (lb)	2.9 / 6.4
Shipping Weight (kg) / (lb)	11.4 / 25.1
Connector Type	1 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	180 / 50 / 225
Frontal / Lateral / Rearside (N)	

*Wind Load refer to TIA-222-G standard

Outline Drawing



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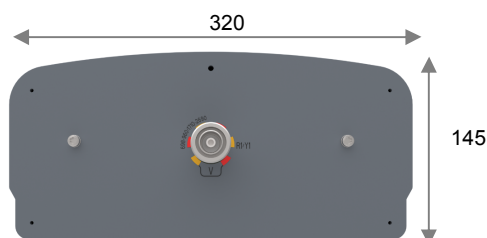
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Electrical Specifications		BASTA Standard**			
Frequency Range (MHz)	R 698-960				
	698-800		800-960		
Gain (dBi)	10.5±0.3		10.6±0.3		
Horizontal Beamwidth (°)	70±3		67±3		
Vertical Beamwidth (°)	30±2		28±3		
1st Upper Sidelobe Suppression (dB)	≥10		≥11		
Upper Sidelobe Suppression, Peak to 20° (dB)	≥21		≥24		
Front-To-Back Ratio, 180°±30° (dB)	≥25		≥23		
Frequency Range (MHz)	Y 1710-2700				
	1710-1880	1850-1990	1920-2170	2300-2500	2490-2700
Gain (dBi)	10.2±0.5	10.6±0.4	10.8±0.4	11.0±0.4	11.0±0.5
Horizontal Beamwidth (°)	69±2	67±2	65±3	64±2	62±5
Vertical Beamwidth (°)	32±3	29±2	28±2	31±2	34±3
1st Upper Sidelobe Suppression (dB)	≥17	≥16	≥16	≥15	≥15
Upper Sidelobe Suppression, Peak to 20° (dB)	≥27	≥29	≥26	≥24	≥23
Front-To-Back Ratio, 180°±30° (dB)	≥28	≥29	≥29	≥29	≥29

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

Connector Position



Accessories

Model	Quantity	Description
00-ZJ15A(32)	1	Mounting Kit, 0-32°tilt.