

Outdoor Directional Single-band Antenna

ODP-065R12J03

- X Pol, 65°Horizontal Beamwidth
- 1710-2690MHz
- 12.8dBi, FET: 3

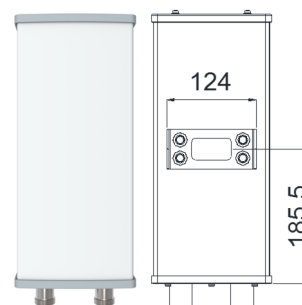
Electrical Specifications

Frequency Range (MHz)	Y 1710-2690				
	1710-1880	1850-1990	1920-2170	2300-2500	2490-2690
Polarization	±45°				
Gain (dBi)	12.0	12.1	12.4	12.7	12.8
Horizontal Beamwidth (°)	66	66	63	66	61
Vertical Beamwidth (°)	27	26	24	20	19
Fixed Electrical Downtilt (°)	3				
Front-To-Back Ratio, 180°±30° (dB)	≥25(typ.)				
Cross-polar Discrimination@0°(dB)	≥17				
Beam Tracking Avg. (dB)	1				
VSWR	≤1.5:1				
Isolation Intra-system (dB)	≥25				
IM3 (2x43 dBm Carrier) (dBc)	≤-150				
Maximum Power per Port (W)	250				
Impedance (Ω)	50				
Lightning Protection	Direct Ground				

Mechanical Specifications

Outline Drawing

Dimensions, HxWxD (mm) / (in)	375x160x83 / 14.8x6.3x3.3
Shipping Dimensions, HxWxD(mm) / (in)	630x230x160 / 24.8x9.1x6.3
Net Weight, Antenna (kg) / (lb)	2.1 / 4.6
Net Weight, Mounting Kit (kg) / (lb)	0.6 / 1.3
Shipping Weight (kg) / (lb)	4.0 / 8.8
Connector Type	2 x 7/16 DIN-Female
Connector Location	Bottom
Radome Material and Color	UV Resistant PVC, Light Grey
Operational Temperature (°C)	-40 to +60
Operational Humidity (%)	≤95
Operational / Max Wind Speed (km/h)	150 / 200
Wind Load* @150km/h Frontal / Lateral / Rearside (N)	67 / 22 / 69



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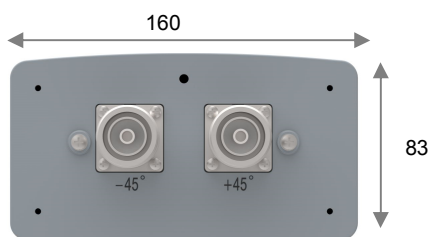
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Electrical Specifications	BASTA Standard**				
	Y 1710-2690				
Frequency Range (MHz)	1710-1880	1850-1990	1920-2170	2300-2500	2490-2690
Gain (dBi)	12.0±0.3	12.1±0.8	12.4±0.8	12.7±0.8	12.8±0.5
Horizontal Beamwidth (°)	66±3	66±3	63±4	66±2	61±5
Vertical Beamwidth (°)	27±2	26±3	24±3	20±2	19±2
1st Upper Sidelobe Suppression (dB)	≥16	≥18	≥15	≥14	≥14
Upper Sidelobe Suppression, Peak to 20° (dB)	≥19	≥23	≥23	≥22	≥21
Front-To-Back Ratio, 180°±30° (dB)	≥24	≥24	≥24	≥24	≥25
Cross-polar Discrimination@0° (dB)	≥19	≥20	≥18	≥15	≥18
Cross-polar Discrimination over Sector (dB)	≥6	≥6	≥6	≥8	≥9

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

Connector Position



Accessories

Model	Quantity	Description
00-ZJ16(20)	1	Mounting Kit, 0-20° tilt.