

Outdoor Directional Single-band Antenna

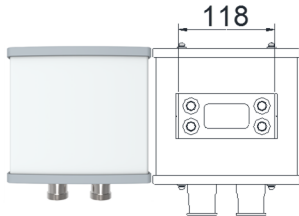
ODP-065R09J

- X Pol, 65°Horizontal Beamwidth
- 1710-2690MHz
- 9.2dBi, FET: 0

Electrical Specifications

Frequency Range (MHz)	Y 1710-2690				
	1710-1880	1850-1990	1920-2170	2300-2500	2490-2690
Polarization	±45°				
Gain (dBi)	8.4	8.2	8.2	9.0	9.2
Horizontal Beamwidth (°)	69	69	68	64	62
Vertical Beamwidth (°)	69	68	67	62	61
Fixed Electrical Downtilt (°)	0				
Front-to-Back Ratio, 180°±30° (dB)	≥25(typ.)				
Cross-polar Discrimination@0° (dB)	≥17				
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

Mechanical Specifications		Outline Drawing
Dimensions, HxWxD (mm) / (in)	170x173x75 / 6.7x6.8x3.0	
Shipping Dimensions, HxWxD(mm) / (in)	300x260x205 / 11.8x10.2x8.1	
Net Weight, Antenna (kg) / (lb)	1.2 / 2.6	
Net Weight, Mounting Kit (kg) / (lb)	0.6 / 1.3	
Shipping Weight (kg) / (lb)	2.6 / 5.7	
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	33 / 9 / 32	
Frontal / Lateral / Rearside (N)		

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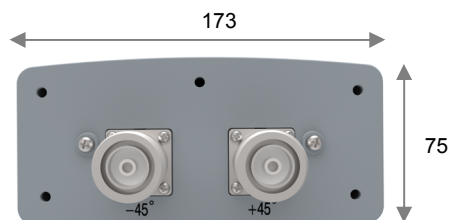
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Electrical Specifications	BASTA Standard**				
	Y 1710-2690				
Frequency Range (MHz)	1710-1880	1850-1990	1920-2170	2300-2500	2490-2690
Gain (dBi)	8.4±0.4	8.2±0.4	8.2±0.7	9.0±0.3	9.2±0.4
Horizontal Beamwidth (°)	69±4	69±4	68±5	64±3	62±5
Vertical Beamwidth (°)	69±5	68±3	67±4	62±3	61±4
Front-to-Back Ratio, 180°±30° (dB)	≥26	≥23	≥22	≥23	≥24
Cross-polar Discrimination@0° (dB)	≥27	≥25	≥25	≥25	≥26
Cross-polar Discrimination over Sector (dB)	≥15	≥13	≥10	≥9	≥8

**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.