Outdoor Directional Single-band Antenna

ODV-032R18E-G

- X Pol, 32°Horizontal Beamwidth
- 790-960MHz
- 17.6dBi, E-Tilt: 0-20

Electrical Specifications

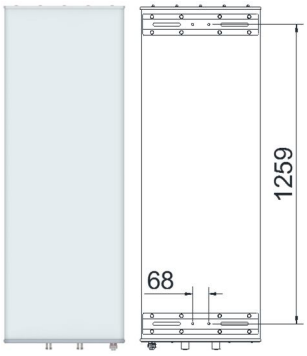
Frequency Range (MHz)	R 790-960	
	790-896	880-960
Polarization	±45°	
Gain (dBi)	17.0	17.6
Horizontal Beamwidth (°)	34	32
Vertical Beamwidth (°)	15.0	13.9
Electrical Downtilt (°)	0-20	
1st Upper Sidelobe Suppression (dB)	≥17(0°), ≥16(10°), ≥16(20°)	
Upper Sidelobe Suppression, Peak to 20°(dB)	≥16	
Front-To-Back Ratio, 180°±30° (dB)	≥25	
Cross-polar Discrimination@0°(dB)	≥17	
VSWR	≤1.5:1	
Isolation Intra-system (dB)	≥30	
IM3 (2x43 dBm Carrier) (dBc)	≤-150	
Maximum Power per Port(W)	500	
Impedance (Ω)	50	
Lightning Protection	Direct Ground	

Mechanical Specifications

Dimensions, HxWxD (mm) / (in)	1415x500x140 / 55.7x19.7x5.5
Shipping Dimensions, HxWxD(mm) / (in)	1765x635x305 / 69.5x25.0x12.0
Net Weight, Antenna (kg) / (lb)	28.0 / 61.7
Net Weight, Mounting Kit (kg) / (lb)	6.3 / 13.9
Shipping Weight (kg) / (lb)	38.0 / 83.8
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)	925 / 113 / 1118

**Wind Load refer to TIA-222-G standard*

Outline Drawing



©Comba Telecom. All rights reserved
Information contained in this document is subject to confirmation at time of ordering.
Specifications may differ depending on region and customers' requirements.

Outdoor Directional Single-band Antenna

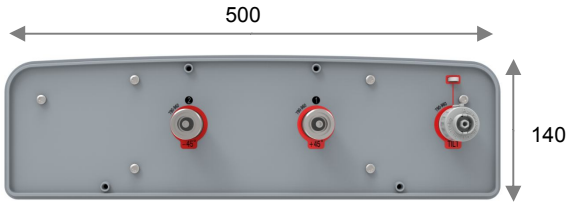
ODV-032R18E-G

- X Pol, 32°Horizontal Beamwidth
- 790-960MHz
- 17.6dBi, E-Tilt: 0-20

Electrical Specifications		BASTA Standard**	
Frequency Range (MHz)		R 790-960	
		790-896	880-960
Gain (dBi)	Over All Tilts	16.7±0.6	17.3±0.6
	Min Tilt	17.0	17.6
	Mid Tilt	16.9	17.4
	Max Tilt	16.2	16.6
Horizontal Beamwidth (°)		34±2	32±2
Vertical Beamwidth (°)		15.0 ±1.2	13.9±0.9
Electrical Downtilt Deviation (°)		≤1.0	≤0.9
1st Upper Sidelobe Suppression (dB)		≥18	≥18
Upper Sidelobe Suppression, Peak to 20° (dB)		≥18	≥18
Front-To-Back Ratio, 180°±30° (dB)		≥28	≥30
Cross-polar Discrimination@0°(dB)		≥20	≥24
Cross-polar Discrimination over Sector(dB)		≥11	≥9

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

Connector Position



Accessories

Model	Quantity	Description
00-ZJ11(16)	1	Mounting Kit, 0-16°tilt.

Optional Products (order separately)

Model	Quantity	Description
RCU-003(IV)	1	Remote Control Unit
PCU-H002	1	Portable Control Unit

©Comba Telecom. All rights reserved
Information contained in this document is subject to confirmation at time of ordering.
Specifications may differ depending on region and customers' requirements.