

Antennas



Antenna	CDA-3	CDA-3RTK	MBL-3	MGA-2	MGL-3
GPS Sensor Specifications					
GPS Frequency Range	1.575 GHz (L1)	1.575 GHz (L1)	N/A	1.575 GHz (L1)	1.575 GHz (L1)
GPS Bandwidth	40 MHz	10 MHz	N/A	3 MHz	3 MHz
GPS LNA Gain	27 dB	30 dB	N/A	30 dB	27 dB
GPS LNA Noise	1.1 dB typical	1.2 dB typical	N/A	1.2 dB	1.2 dB
Beacon Sensor Specifications					
Beacon Frequency Range	283.5 - 325.0 kHz	N/A	283.5 - 325.0 kHz	N/A	283.5 - 325.0 kHz
Beacon LNA Gain	34 dB	N/A	34 dB	N/A	34 dB
L- band Sensor Specifications					
L- band Frequency Range	1.525 - 1.585 GHz	N/A	N/A	N/A	N/A
L- band LNA Gain	28 dB	N/A	N/A	N/A	N/A
Power Input Specifications					
Input Voltage	5 - 15 VDC	5 - 15 VDC	4.0 - 13 VDC	4.0 - 13 VDC	4.0 - 13 VDC
Input Current	50 - 60 mA	30 mA	25 - 35 mA	50 - 60 mA	50 - 60 mA
Mechanical Specifications					
Enclosure	polycarbonate	polycarbonate	PVC plastic	PVC plastic	PVC plastic
Dimensions	141 mm diameter x 127 mm high (5.57" diameter x 5.00" high)	146 mm diameter x 80 mm high (5.76" diameter x 3.15" high)	128 mm square x 84 mm high (5.06" square x 3.33" high)	128 mm square x 84 mm high (5.06" square x 3.33" high)	128 mm square x 84 mm high (5.06" square x 3.33" high)
Weight	478 g (1.1 lb)	535g (1.2 lb)	450 g (1.0 lb)	450 g (1.0 lb)	450 g (1.0 lb)
Mounting Thread	1- 14- UNS- 2B	1- 14- UNS- 2B	1- 14- UNS- 2B	1- 14- UNS- 2B	1- 14- UNS- 2B
Connector	TNC- S	TNC- S	TNC- S	TNC- S	TNC- S
Environmental Specifications					
Storage Temperature	-40° C to +85° C	-40° C to +85° C	-40° C to +80° C	-40° C to +80° C	-40° C to +80° C
Operating Temperature	-40° C to +85° C	-40° C to +85° C	-30° C to +70° C	-30° C to +70° C	-30° C to +70° C
Humidity	100% condensing	100% condensing	100% condensing	100% condensing	100% condensing