Hemisphere

A42 and A52 Antennas

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Hemisphere



A42

Multi-GNSS Antenna

The new A42[™] antenna adds precision, reliability and value to our leading Eclipse™ GPS technology. A42 is a multi-GNSS precision antenna and is ideal for various applications including construction surveys, RTK positioning and navigation, precise guidance and machine control. Use the A42 antenna in challenging environments (such as near buildings and foliage) as it has superior multipath mitigation, stable phase center and strong SNR's even at low elevations.

A52

Multi-GNSS Antenna

The new A52[™] antenna adds more precision, reliability and value to our leading Eclipse GPS technology. A52 is a multi-GNSS precision antenna and is ideal for various applications including geodetic surveys, RTK positioning and navigation, precise guidance and machine control. Use the A52 antenna in challenging environments (such as near buildings and foliage) as it has superior multipath mitigation, stable phase center and strong SNR's even at low elevations.

GPS L1/L2/L5, GLONASS L1/L2, Beidou, GNSS Reception: GPS L1/L2/L5, GLONASS L1/L2, Beidou, **GNSS** Reception: SBAS, OmniSTAR, and Galileo SBAS, OmniSTAR®, and Galileo E1/E5a and b E1/E5a and b **GNSS Frequency:** 1.165 to 1.253 GHz **GNSS Frequency:** 1.165 to 1.253 GHz 1.525 to 1.613 GHz 1.525 to 1.613 GHz LNA Gain: LNA Gain: 30 dB 30 dB LNA Noise: 2.0 dB, typical LNA Noise: 2.0 dB, typical **Power Input Power Input** Input Voltage: 3.3 to 12 VDC Input Voltage: 3.3 to 12 VDC Input Current: 35 mA, typical Input Current: 35 mA, typical Mechanical Mechanical Enclosure: Enclosure: Aluminium base with ASA plastic cap Aluminium base with ASA plastic cap 7.6 H x 18.5 D (cm) **Dimensions: Dimensions:** 7.0 H x 13.0 D (cm) 2.9 H x 5.1 D (in) 3.0 H x 7.3 D (in) Weight: 380 g (13.4 oz) Weight: 778 g (27.4 oz) Mount: 5/8 inch female thread Mount: 5/8 inch female thread **RF** Connector: TNC (straight) **RF Connector:** TNC (straight or right angle) Environmental

Storage Temperature: **Enclosure Rating:** Shock and Vibration:

-40° C to +85° C (-40°F to +185°F) Operating Temperature: -40° C to +70° C (-40°F to +158°F) IP69K EP455

Environmental

Storage Temperature: **Operating Temperature: Enclosure Rating:** Shock and Vibration:

-40° C to +85° C (-40°F to +185°F) -40° C to +70° C (-40°F to +158°F) IP69K EP455

Phase Center Variation

Less than 3 mm at GPS L1 and L2, for elevations above 15 degrees

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