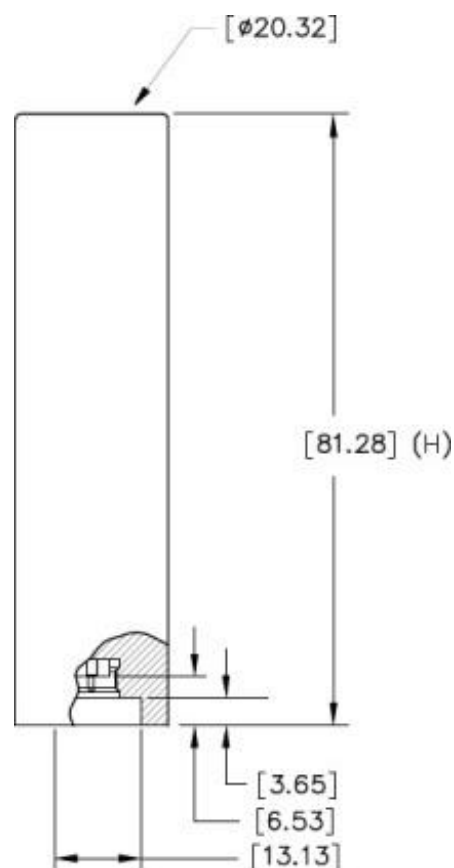


GPS / Glonass / Iridium Antenna

Type: HL1 // HL1IR



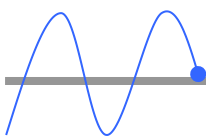
*Original size -
90° angle adapter optional

Features:

- Helix Antenna for mobile application
- For GPS / Glonass / Iridium
- Active or passive available
- Compact antenna with low weight
- Broader Beam Width
- Powerful Low-Noise-Amplifier (LNA)

Description:

This solid and compact antenna is designed for mobile applications for GPS L1 or GPS L1 / Glonass signal reception. Designed for handheld devices, this antenna works with a min. DC voltage of 2.4V (15mA). The robust and weatherproofed housing protects the antenna at outdoor applications. The Gain of the integrated Low-Noise-Amplifier (LNA) is 27 dB and ensures good signal reception. This antenna is available as active or passive device which could support several GNSS frequencies like GPS, Glonass, Iridium (see options).



GPS / Glonass / Iridium Antenna

Type: HL1 // HL1IR

Technical data:

	GPS L2	Glonass L2	Omnistar / L-Band Rx Inmarsat	GPS L1	Glonass L1	Iridium	Tx Inmarsat
Frequencies	1227.6 ± 13 MHz	1247 ± 5 MHz	1543 ± 17 MHz	1575 ± 15 MHz	1604 ± 5 MHz	1608 ± 8 MHz	1643 ± 17 MHz
Antennagain @90°	- 4.1	- 3.8	- 3.1	+ 0.3	- 0.7	- 0.1	- 1.9
Axial Ratio (dB)	1	2	1	1	1	1	1
Radiation Pattern:	Hemispherical						
Polarization	RHCP (Right Handed Circular Polarization)						
Impedance:	50 Ohm						
VSWR Output	max. 1.5 : 1						
Gain LNA:	27 dB						
Noise Figure:	2 dB						
LNA P1dB Out:	+13dBm						
Power Supply:	+2.4 to +5 Volt DC						
Material:	Aluminium alloy base with Polyutherane Enamel finish // composit radome						
Weight:	40 Grams						
Altitude:	21.300 m max.						
Acceleration:	30 g max						
Environment Prot.:	IP 67 (hermetically sealed) / Skydrol resisteat / UV stabil / flame retardant / abrasion						
Operation Temper.:	-55 ° C ~ + 85 ° C						
Dimensions:	20.32 x 81.28 mm (Diameter x Height)						
RF Connectors:	TNC-f, TNC-m, SMA-f, SMA-m (female connectors with bulkhead for case mounting available), 90° angle adapter						

Options:

Structure of part no. – variants:

Example: HL1IRA-XT-4 =
L1/Glonass/Iridium, active,
TNC-f, black

H L1L2IR X - X X - 4

