

GNSS/LORAN ANTENNA

H-Field Antenna



- H-Field antennas apply to eLoran receiver which uses for 100kHz long wavelength signal.
- H-Field antenna contain a RF amplifier with over 30dB gain and a filter to remove noise incoming from the antenna.
- H-Field antenna contain a GPS L1/L2, GLONASS antenna.
- H-Field antenna should be combined with dual loops which are oriented 90 degrees to each other to achieve an omni-directional pattern.

Electrical Specification

Item : H-Field ANT	Specification	Remarks
Frequency bands	100 KHz(95~105KHz)	
DC Power	3.5 - 12V DC	5V DC
Current	70mA (Max)	
Radiation Pattern	Omni-directional	
Lightening Protection	DC Grounding	

Item : GPS L1/L2, GLONASS ANTENNA	Specification	Remarks
VSWR	2.0 : 1	
Polarization	RHCP(Right Hand Circular Polarization)	
Passive Antenna Gain @ Zenith	>2 dBic (Active: 30 dB)	
Axial ratio	< 3dB @ Zenith	Free Space
LNA Gain	> 30 [dB]	
LNA Noise Figure(NF)	< 2 [dB]	

Mechanical Specification

Item	Specification	Remarks
Size	200 X 200 X 100(GPS/GLONASS Ant. 포함)	mm
Connector	CONXall 4282-9PG-300	
Weight	Not Exceed 620g	
Material	PC(Polycarbonate)	

Outline dimensions

[UNIT : mm]

