



L1/L2GPSA-N

L1/L2 Active GPS/GNSS + Omnistar/TerraStar Antenna, 3.5" Diameter Top/Bottom Mount Configuration



	L5 GPS E5, E5a, E5b Galileo L5IRNSS		L2 GPS B2 Compass		L2 GLONASS E6 Galileo B3 Compass		OmniSTAR/L6 Galileo B1 Compass		L1 GPS E1, E2 Galileo L1 IRNSS		L1 GLONASS	
FREQUENCY:	1176.45 ± 12 MHz 1164.45 - 1219.14 MHz 1176.45 ± 15 MHz		1227.60 ± 12 MHz 1207.14 ± 10 MHz		1252.50 ± 7.5 MHz 1266.75 - 1290.75 MHz1268.52 ± 10 MHz		1542.50 ± 14.0 MHz 1542.50 ± 5.0 MHz 1561.098 ± 10 MHz		1575.42 ± 15.0 MHz 1575.42 ± 17.0 MHz 1575.42 ± 12.00 MHz		1609 ± 7.0 MHz	
RADIATION PATTERN:	HEMISPHERICAL											
POLARIZATION:	RHCP		RHCP		RHCP		RHCP		RHCP		RHCP	
VSWR:	< 2.0:1		< 2.0:1		< 2.0:1		< 2.0:1		< 2.0:1		< 2.0:1	
IMPEDANCE	50 ohms		50 ohms		50 ohms		50 ohms		50 ohms		50 ohms	
ANTENNA GAIN (dBic):	Free Space	4 ft. G.P.	Free Space	4 ft. G.P.	Free Space	4 ft. G.P.	Free Space	4 ft. G.P.	Free Space	4 ft. G.P.	Free Space	4 ft. G.P.
@ 90° (ZENITH):	- 3	- 3	+ 2.6	+ 4.8	+ 0.0	+ 2.4	+ 2.1	+ 2.0	+ 4.0	+ 2.0	+ 3.0	+ 1.4
@ 10° Elevation:	- 9	- 10	- 3.5	- 3.5	- 6.5	- 6.3	- 4.7	- 5.1	- 2.7	- 2.5	- 3.9	- 3.4
@ 20° Elevation:	- 8	- 7	- 2.0	- 0.3	- 4.7	- 3.2	- 3.5	- 1.9	- 1.7	+ 0.4	- 2.9	- 0.5
@ 30° Elevation:	- 6	- 5	- 0.4	+ 1.8	- 3.4	- 1.2	- 2.5	- 0.5	- 0.5	+ 1.6	- 1.6	+ 0.5
@ 60-90° Elevation	> - 4	> - 4	> 1.3	> 2.6	> - 1.5	> - 0.1	> + 1.1	> - 0.5	> + 2.9	> + 1.6	> + 2.0	> - 0.2
BEAM WIDTH (3dB):	110 Deg.	120 Deg.	110 Deg.	115 Deg.	105 Deg.	110 Deg.	95 Deg.	145 Deg.	95 Deg.	150 Deg.	95 Deg.	145 Deg.
AXIAL RATIO:	1.5 dB	2 dB	1 dB	1 dB	1 dB	2 dB	1 dB	2 dB	1 dB	1 dB	2 dB	3 dB
LIGHTENING PROTECTION:	DC GROUNDING											
LNA GAIN:	35 dB		35 dB		35 dB		33 dB		33 dB		33 dB	
LNA NOISE FIGURE:	3.0 dB		3.0 dB		3.0 dB		3.0 dB		3.0 dB		3.0 dB	
LNA P1dB Out:	+ 13 dBm		+ 13 dBm		+ 13 dBm		+ 13 dBm		+ 13 dBm		+ 13 dBm	
LNA DC POWER	2.5V/20mA, 3V/29mA, 3.3V/35mA, (2.5-24)V/<50mA											
POWER HANDLING:	1 Watt CW, Optional: 10 Watts 1 Microsec Pulse (-AL-)											

- Federal/Military Specifications: FAA TSO-C144, DO-160D, DO-228 MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810 AND SAEJ1455
- Optional Roof Mount Bracket Available P/N--L1/L2RAMB
- Size: DIAMETER: 3.50 in. (88.90 mm)
- Weight: 9 oz. (255 g)
- Connector: N(F)