

L1 GPS/Timing Antenna, RHCP Polarized, 1.571 to 1.61 GHz

GP-L1-32-T



The GP-L1-32-T GPS antenna recovers timing and positioning data for timing reference and phase synchronization. It filters and amplifies global positioning system signals received from GNSS, Galileo, BeiDou, QZSS satellite constellations.

The GP-L1-32-T antenna is designed with an integrated 32 dB LNA and operates within the L1 1.571 to 1.61 GHz bands. It is fully ruggedized IP67 Rated. The LNA is DC fed through the TNC Female connector and is externally grounded.

SPECIFICATIONS

General

Antenna Type	GPS Antennas
Size, nominal	0.5 ft 0.15 m

Polarization	RHCP
Standard RF Connector Type	TNC

Electrical

Operating Frequency Band	1.574 - 1.61 GHz
Half Power Beamwidth, Horizontal	360 degrees

Gain, Mid Frequency	32 dBi
VSWR	2.0:1

Mechanical

Mounting Pipe Diameter, Min	1 inch 2.5 cm
Mounting Pipe Diameter, Max	2 inch 5.1 cm
Net Weight	0.9 lbs 0.4 kg
Wind Velocity Operational	90 mph 145 km/h

Wind Velocity Survival Rating	125 mph 201 km/h
Mechanical Configuration	GP-L1-32-T
Operating Temperature Range	-40 to +60 C
Ingress Protection	IP67

Regulatory Compliance

Industry Canada Compliance	undeclared
RoHS-compliant	Yes

Shipping Information

Package Type	Cardboard
Gross Weight	2.2 lbs 0 kg

Dimensions, L x W x H	0 x 0 x 0 in 0 x 0 x 0 cm
Shipping Volume	0 cu ft 0 cu m

L1 GPS Timing Antenna

TECHNICAL DRAWINGS

