

L1 Antennas

Part Number: L1ACE



Performance Specifications:

- Frequency Range: 1575.42+-5MHz
- VSWR: 2.5:1 (max.)
- Amplifier Gain: 38dB (min.)
- Noise Figure: 1.5dB (max.)
- Voltage: 4.5 to 5.5 VDC
- Polarization: Right-Hand Circular
- Impedance: 50 Ohms
- Temperature: -40 to +80 C
- Connector: TNC, Female

Part Number: L1ANTC



Performance Specifications:

- Frequency L1: (1575.42+-10) MHz
- VSWR: 1.5:1
- DC Grounding: Yes (lightening protection)
- LNA Noise Figure: less than 2.4dB
- LNA Gain: 33.0+-3.0dB
- LNA Current Draw: less than 30mA
- LNA Voltage: +3.5 to +24VDC
- Rejection: 2 2-Pole Filters
- Polarization: Right-Hand Circular
- Impedance: 50 Ohms
- Temperature: -55 to +85 C
- Connector: SMA, Female

Part Number: L1ARINC



Design Specifications:

- FAA TSO-C144
- DO-160D, D0-228
- MIL-C-5541, MIL-E-5400
- MIL-I-45208A, MIL-STD-810

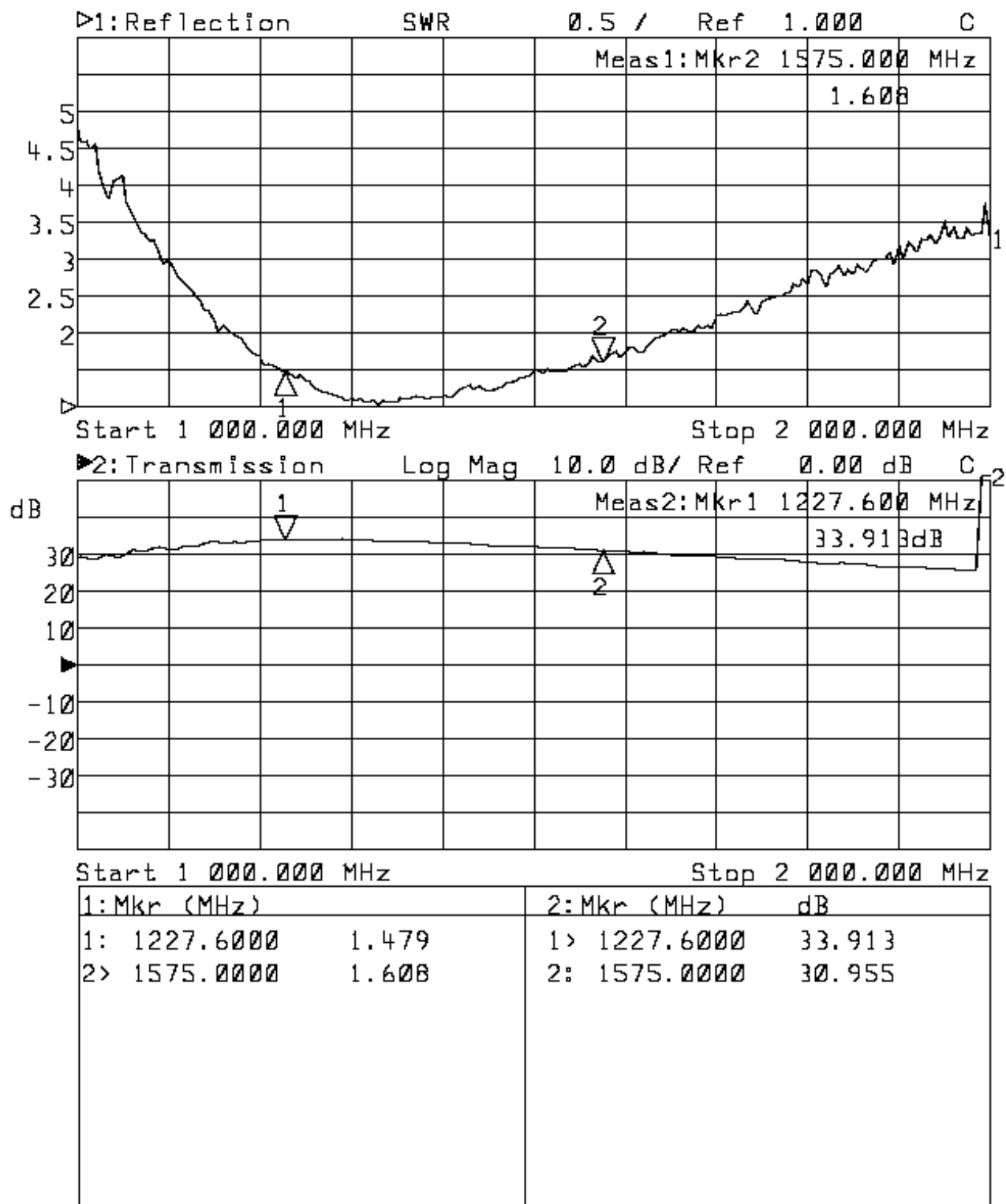
Toll Free: 866-289-4777
Telephone: 719-561-9520
Fax: 719-565-0890

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A11 Product Data



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Electrical Specifications:

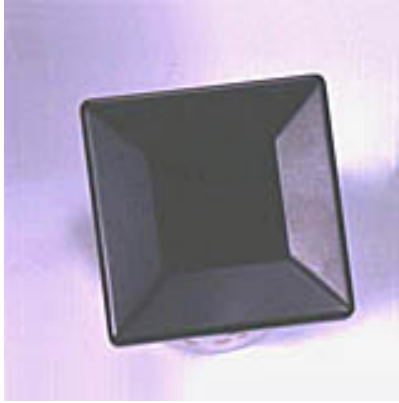
- **Frequency response for GPS L1/L2 and GLONASS**
 - 1GHz to 2GHz
 - Flatness less than 3.5dB
 - Noise figure less than 1.8dB
- **All ports can either pass DC or block DC voltage**
 - 30dB gain
 - 50 ohm impedance on both ports
 - Input & Output SWR less than 2.0:1
 - Reverse Isolation greater than 49dB
 - Required DC input 3.1 to 15VDC
 - Current draw less than 14mA @ 3V DC input

Mechanical Specifications:

- **Dimension**
 - Length 2.5"
 - Width 2.5"
 - Height 1.25"
 - Base Plate 3.25"x2.5"
- **Operating Temperature**
 - -40 to 75 degrees C

L1 Passive Antennas

Part Number: L1P2



Performance Specifications:

- **Frequency:** 1.575 GHz
- **VSWR:** 1.5:1
- **Bandwidth:** 20Mhz (min.)
- **Peak Gain:** 3 dBic (min.)
- **Polarization:** Right-Hand Circular
- **Impedance:** 50 Ohms
- **Temperature:** -40 to +85 C
- **Connector:** SMA, Female

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