



Model Number L54112

GPS Filter/Amplifier

Rev c
01/29/12

Features:

- L1+L2 Operation
- Low Noise Figure
- Cavity Filter
- Discreet Amplifier
- Excellent out-of-band attenuation



Applications:

- Aircraft
- Maritime
- Mobile
- Test Equipment

Package size:

- 0.63 x 3.5 x 4.0"

Specifications

| | |
|--------------------|--|
| Center Frequencies | 1227.6 and 1575.42 MHz |
| Gain | 40 ± 2.5 dB |
| Passband Ripple | 1 dB maximum |
| Gain Variation | 2 dB maximum |
| -3 dB Bandwidth | ± 10.23 MHz minimum |
| -40 dB Bandwidth | ± 70 MHz maximum |
| -60 dB Bandwidth | ± 122.5 MHz maximum |
| V.S.W.R. | 2:1 maximum |
| Connectors | SMA Female |
| RF Input Power | 1 Watt Continuous, 450 Watts for 10 microseconds, duty cycle 0.1% |
| Noise Figure | 2.5 dB maximum |
| Output IP3 | +20 dB minimum |
| Output Power | +10 dBm minimum at 1 dB compression point |
| Output Protection | Unit must be stable under any load without damage |
| Power Requirements | +7 to +35 VDC @ 200 ma maximum via RF output |
| Size | 0.63" x 3.5" x 4.0" |
| Temperature | -40° C to +85° C Operating |
| Vibration | 4 Hz to 33 Hz per MIL-STD-167 for mast-mounted equipment |
| Shock | 9 hammer blows as specified in MIL-S-901, Type A, Grade A, Class I |



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Author

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