



Model Number L5878

4 Channel GPS Filter/Amplifier

Rev.-
11/14/05

Features:

- Cavity Design
- Low Loss

Applications:

- Maritime
- Missile
- Airborne
- Mobile
- Timing
- Test Equipment

Package size:

- 1.5 x 3.4 x 4.4"

(Please see outline for exact dimensions)



| Specifications: (+25C) | |
|-----------------------------|--------------------------------------------------------------------------------------------------------------|
| Passband | L1 1575.42 +/- 10 MHz |
| Gain | 10 to 14 dB |
| Noise Figure | < 2.7 dB @ +25C < 3.2 dB @ +80C |
| VSWR | 1.5:1 Input 1.7:1 Output |
| 1 dB output compression | +5 dBm minimum +10 dBm maximum |
| Channel to Channel Matching | < 0.3 dB amplitude over passband < 0.8 ns time delay over passband |
| 3 dB bandwidth | +/- 17 to +/- 25 MHz |
| 40 dB Bandwidth | +/- 100 MHz |
| 75 dB Bandwidth | +/- 150 MHz |
| Ultimate attenuation | 75 dB to 5.5 GHz 63 dB from 5.5 to 28 GHz 45 dB from 18 to 40 GHz |
| Power Handling | 1149 Watts Peak (Inband non-operate) 11.5 Watts Avg (Inband non-operate) 7500 Watts Peak (out-of-band) |
| Connectors | SMA Female |

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