



Model Number L54109 GPS Filter/Amplifier

Rev -
2/12/06

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"

Center Frequencies	1227.6 and 1575.42 MHz
Gain	+25 +/- 3 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	+30 dB minimum
Output Power	+15 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
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



Delta Microwave

1301 Vanguard Dr.
Oxnard, CA. 93033

Phone: 805.240.1044
Fax: 805.240.9544

email: sales@deltamicrowave.com
www.deltamicrowave.com

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