



Model Number L54113 GPS Filter/Amplifier

Rev -
1/31/05

Features:

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



Applications:

- Aircraft
- Maritime
- Mobile
- Guided Munitions
- Test Equipment

Package size:

- 0.5 x 2.2 x 2.75"

(Please see outline for exact dimensions)

Specifications: (+25C)

	Channel 1
L1 Passband	1575.4 +/- 10 MHz
L2 Passband	1227.6 +/- 10 MHz
1 dB Bandwidth	+/- 13 MHz Minimum
Gain	19 – 29 dB
Noise Figure	2.5 dB
VSWR	1.6:1
3 dB Bandwidth	+/- 17 to +/- 33 MHz
20 dB Bandwidth	+/- 50 MHz
50 dB Bandwidth	+/- 150 MHz
Ultimate Rejection	40 dBc from 1 to 14,000 MHz
DC Power	5 +/- .5 VDC @ 0.040 Amps (via RF output connector)
In-band power handling	0.1 Watts
Out-of-band power handling	8 Watts
Maximum Output Power	+ 12 dBm
Operating Temperature	-54 - +80 C
Sealing	Gross Leak per MIL-STD-202 Method 112 Cond. D
Connectors	SMA Female
Finish	Haze Grey per MIL-P-24441, Typ. I



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By	Checked