



Model Number L54156 GPS Filter/Amplifier

Rev. B
06/14/12

Features:

- L1+L2 Operation
- Low Noise Figure
- Cavity Filter
- Discrete Amplifier
- Excellent Out-of-Band Rejection



Applications:

- Aircraft
- Maritime
- Mobile
- Test Equipment

Package size:

- 0.5" x 2.2" x 3.6"

Parameter	Specification
Passbands	1575.42 MHz \pm 10 MHz 1227.6 MHz \pm 10 MHz
Gain	31 \pm 2 dB
Noise Figure	3.2 dB maximum at +25°C 3.5 dB maximum from -55 to +85 °C
Delta Time Delay Fc \pm 8 MHz	6ns typical, 8ns maximum Peak-to-Peak
In Band VSWR	1.5:1 typical, 1.8:1 maximum
Reverse Isolation, Output to Input	20 dB minimum
1 dB Bandwidth	> \pm 13 MHz
3 dB Bandwidth	> \pm 17 MHz < \pm 33 MHz
20 dB Bandwidth	< \pm 50 MHz and < \pm 55 MHz @-55°C
40 dB Bandwidth	< \pm 110 MHz
50 dB Bandwidth	< \pm 150 MHz
DC Power	+3.0 VDC, 50mA maximum Through the RF Output Connector
Rejection, at \pm 150 MHz before the limiter and preamp	> 55 dB typical, > 50 dB minimum
Ultimate Attenuation	75 dB minimum from 0.1 to 3.5 GHz, L2 < -200 MHz and L1 < +200 MHz 85dB minimum from 3.5 to 4.5 GHz 75dB minimum from 4.5 to 18 GHz 50dB minimum from 18 to 40 GHz



Delta Microwave

300 Del Norte Blvd.
Oxnard, CA. 93030

Phone: 805.751.1100
Fax: 805.240.9544

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

--	--

Author Approved



Model Number L54156 GPS Filter/Amplifier

Rev A
12/05/11

Features:

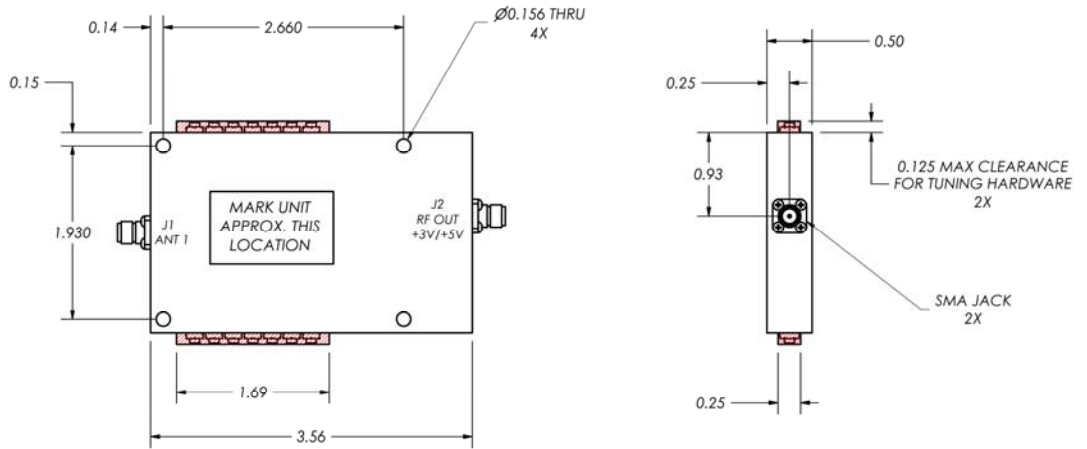
- L1+L2 Operation
- Low Noise Figure
- Cavity Filter
- Discreet Amplifier
- Excellent out-of-band attenuation

Applications:

- Aircraft
- Maritime
- Mobile
- Test Equipment

Package size:

- 0.5 x 2.2 x 3.6"



Parameter	Specification
Input 1dB Compression	> -17dBm @L1, L2 ±13MHz, measured at Fo
Output 1dB Compression	> +7dBm @L1, L2 ±13MHz, measured at Fo
Input Power, Survive, Non-Operate 10 Second Duration Max	< 100W Peak; < 1W, average
Limiter output (before preamp)	+12dBm max, CW
Limiter Recovery Time at -1dB	30ns Max, (Goal 10ns Max)
Preamp Output	+13dBm max, CW +15dBm max, Peak
Spurious Stability (Fo = 0.1 to 18GHz)	< -100dBc
Connectors	SMA Female
Temperature Storage	-62°C to +85°C
Operating Temperature	-55°C to +85°C



Delta Microwave

300 Del Norte Blvd.
Oxnard, CA. 93030

Phone: 805.751.1100
Fax: 805.240.9544

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

--	--

Author

Approved

Delta Microwave reserves the right to change specifications without notice. Please verify specification revision letter upon order placement.