



Model Number L59105

7 Channel GPS Filter/Amplifier

Rev A
9/22/05

Features:

- 7 Matched Channels
- Anti-Jam Receiver Applications
- L1+L2 Operation
- Low Noise Figure
- Cavity Filter
- Discreet Amplifier
- Excellent out-of-band attenuation

Applications:

- Aircraft
- Maritime
- Mobile
- Test Equipment

Package size:

- 1.75 x 2.5 x 9.0"

Center Frequencies	1227.6 and 1575.42 MHz
Gain	+21 to +25 dB
Passband Ripple	0.5 dB maximum
Passband Bandwidth	± 12 MHz minimum
-40 dB Bandwidth	± 100 MHz maximum
-60 dB Bandwidth	± 150 MHz maximum (Excluding between L1&L2)
Input VSWR	1.5:1 maximum
Output VSWR	2:1 Maximum
Gain Matching L1 to L2	2.8 dB Maximum
Gain Matching (L1 to L1, L2 to L2)	0.5 dB
Channel to Channel Phase Matching	+/- 1 degree over $f_0 \pm 4$ MHz
RF Input Power	1 Watt Continuous, 450 Watts for 10 microseconds, duty cycle 0.1%
Noise Figure	2.5 dBm maximum (+25C)
Output 1 dB compression point	+12 dBm minimum
Output Power	+24 dBm Maximum
Output Protection	Unit must be stable under any load without damage
Power Requirements	5 +/- 10% VDC @ 1.4 amps maximum 1.1 amp Typical
Connectors (Input)	6 SMA Female, 1 SMA Male
Connectors (Output)	7 SMA Female
Size	See Outline
Temperature	-40° C to +85° C Operating
Vibration	4 Hz to 50 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

--	--

By

Checked

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