SPEC SHEET

GPS Filter Amplifier
L59105

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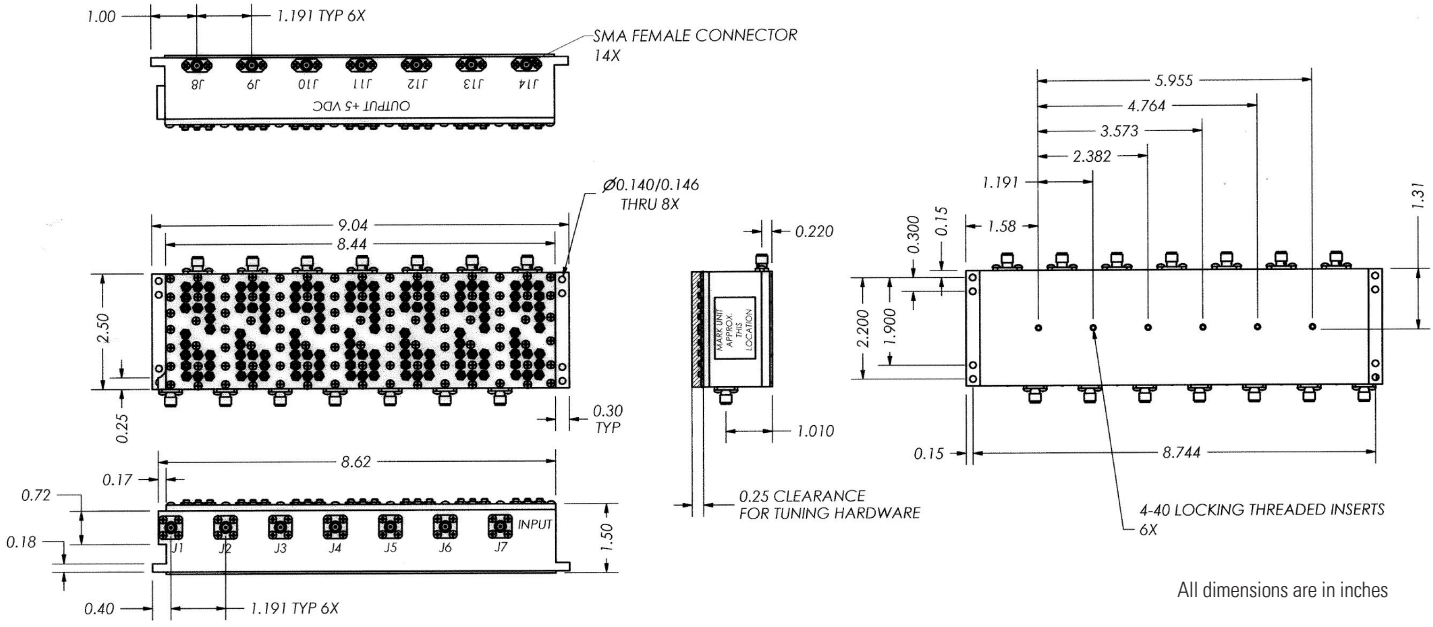
Specifications are subject to change without notice

Electrical Specifications (+25°C)

Parameter	Value
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 f0 ±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
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

Outline Drawing



All dimensions are in inches

Need More Help? Need a Variant of This Product?

Contact Mercury's RF & Microwave engineering team at **rf.microwave@mrcy.com** or visit **www.mrcy.com/rf** for a detailed listing of RF and Microwave products.

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