

GPS Filter Amplifier

L59106



Specifications are subject to change without notice

Electrical Specifications (+25°C)

Parameter	Value
Center Frequencies	1227.6 and 1575.42 MHz
Gain	+22 - +26 dB
Passband Ripple	0.5 dB maximum
Passband Bandwidth	± 18 MHz minimum
-60 dB Bandwidth	± 100 MHz maximum
-75 dB Bandwidth	± 175 MHz maximum
Rejection	-75 dB from 1-40,000 MHz
Input VSWR	1.5:1 maximum
Output VSWR	1.6:1 maximum
Gain Matching channel to channel	2.0 dB maximum
Group Delay Matching channel to channel	+/-1 ns max at center
RF Input Power	+55 dBm in-band pulsed (Survive) +65 dBm out-of-band pulsed (operate)
Noise Figure	3.0 dBm maximum @ 25C
1dB compression point	+12 dBm minimum
Output Power	+19 dBm Maximum
Output Protection	Unit must be stable under any load without damage
Power Requirements (Via RF output connectors)	3.8 - 5.5 VDC @ 1.4 amps maximum 1.1 amp Typical
Noise Diodes (output)	+12 dBm minimum rise when activated
Noise (input)	Via SMA female external connector. (Connected to channel 1 with a 17 dB coupler to antenna)
Connectors (Input)	6 SMA Female, 1 SMA Male
Connectors (Output)	7 SMA Female
Size	1.6" x 2.72" x 8.44"
Temperature	-40° C to +85° C Operating

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