



Model Number L5217 GPS Filter/Amplifier

Rev.-
11/14/05

Features:

- Cavity Design
- Low Loss

Applications:

- Maritime
- Airborne
- Mobile
- Timing
- Test Equipment

Package size:

- 0.6 x 1.81 x 3.0"

(Please see outline for exact dimensions)



Parameters	Requirements
Frequency Band (L1):	1575 ± 10MHz
1dB Passband Bandwidth- Min	1575 ± 1 MHz
VSWR	1.5:1 Max
Input Power at J1 or J2 -Output @ J3	
1565 to 1585 MHz	-145 to -120dBm
2200 to 2400 MHz	+5dBm Max
Output Power, CW at J3 -400 MHz to 12,000MHz	+10dBm Max
RF Gain at J3	20 ± 2dB
Output 1dB Compression Point, CW@J3	+7dBm Min
Amplitude Unbalance @ J3 over frequency - Variation over L1 frequency range relative to input power at either J1 or J2	± 1.0dB Max
Pass Band Ripple (1dB Bandwidth)- @1575.42+/- 1 MHz Max	0.5dB Peak to Peak Max
Noise Figure	2.0dB Max
Phase Unbalance @ J3 over frequency	+/- 10.0 degrees Max
Phase Linearity (1dB Bandwidth)	10° Peak Max from straight line
J1, J2 Isolation	20dB Min
Out of Band Signal Rejection @ J3: -Signal Rejection is J3 output power relative to the input power at J1 or J2 for out of band frequency	
424 to 446 MHz	60dB Min
Below 1375 MHz	60dB Min
Above 1775 MHz	60dB Min
2200 to 2400 MHz	60dB Min
8.0 12.0 GHz	60dB Min



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