SPEC SHEET

GPS Filter/Amplifier
L54112

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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	40 ± 2.5 dB
Passband Ripple	1 dB maximum
Gain Variation	2 dB maximum
-3 dB Bandwidth	± 10.23 MHz minimum
-40 dB Bandwidth	± 70 MHz maximum
-60 dB Bandwidth	± 122.5 MHz maximum
V.S.W.R.	2:1 maximum
Connectors	SMA Female
RF Input Power	1 Watt Continuous, 450 Watts for 10 microseconds, duty cycle 0.1%
Noise Figure	2.5 dB maximum
Output IP3	+20 dB minimum
Output Power	+10 dBm minimum at 1 dB compression point
Output Protection	Unit must be stable under any load without damage
Power Requirements	+7 to +35 VDC @ 200 ma maximum via RF output
Temperature	-40° C to +85° C Operating
Vibration	4 Hz to 33 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
Package Size	0.63” x 3.5” x 4.0”

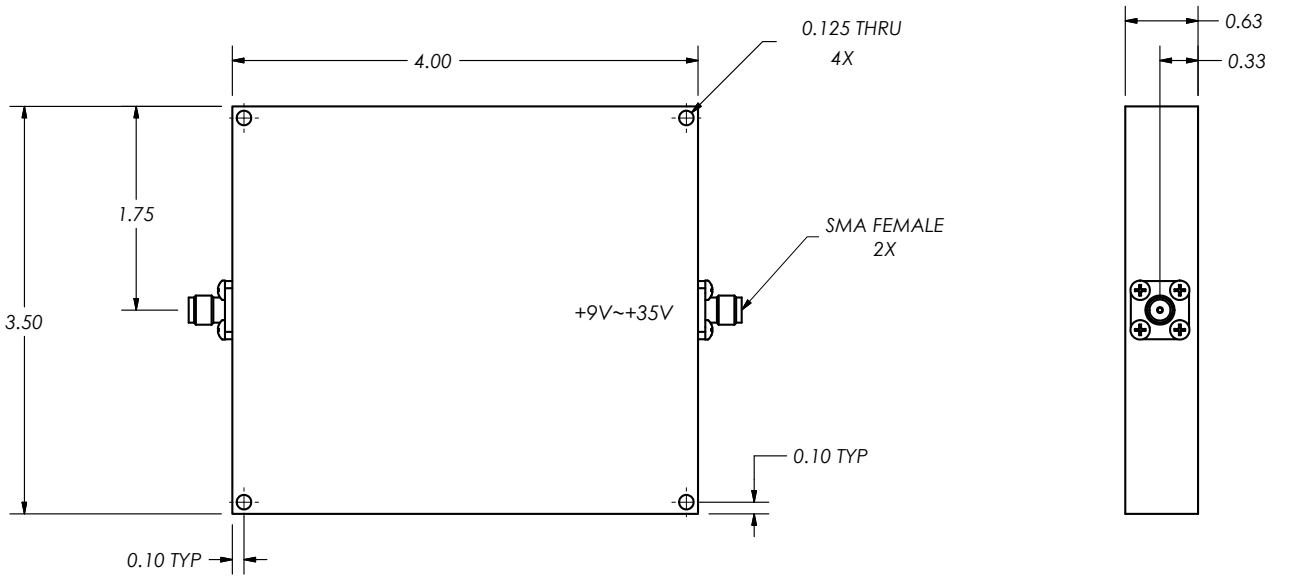
Features

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

Applications

Aircraft
Maritime
Mobile
Test Equipment

Outline Drawing



All dimensions are in inches

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