



Model Number L5627 GPS Filter/Amplifier

Rev B
04/20/10

Features:

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



Applications:

- Aircraft
- Maritime
- Mobile
- Test Equipment

Package size:

- 0.5 x 1.3 x 4.0"

Parameter	L1 Channel	L2 Channel
Center Frequency	1575.4 ± 10 MHz	1227.6 ± 10 MHz
1 dB Two-sided Bandwidth	24 MHz min	24 MHz min
80 dB Two-sided Bandwidth Rejection	200 MHz max	200 MHz max
	80 minimum dB for all frequencies between 100 MHz and 10GHz that are greater than ± 100 MHz from L1 and L2. 65 dB minimum from 10 GHz to 12 GHz	
Center Frequency Gain	25 dB ± 3 dB	
Noise Figure	4.1 dB at L1 and L2	
VSWR	1.5:1 referenced to 50 Ohms	
Voltage	9 to 25 VDC through RF Output	
Current	0.060 Amps max	
Finish	Haze Gray per MIL-P-24441, Type 1	
RF Connectors	SMA Female - Removable -	
Operating Temp	- 50 to + 71 °C	
Elevated Temperature	+ 71 to + 95 °C	
Non Operating Temperature	- 62 to + 95 °C	
Altitude	-1000 to +70,000 feet	
Humidity	100 percent, condensing	
Sand and Dust	MIL-STD- 810, Method 510.1, Procedure I.	
Salt Spray	MIL-STD- 810, Method 510.1, Procedure I.	
Salt Water Immersion	Non-operating, One hour immersion per MIL-STD-810, Method 512.1, Procedure III.	
Shock	MIL-STD-810, Test Method 516.2, Procedure I Amplitude @ 20 g and time 11 ms	
Rain	MIL-STD-810, Test Method 506.1, Procedure I	

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