

# GPS Filter/Amplifier L5629



Specifications are subject to change without notice

## Electrical Specifications (+25°C)

| Parameter                 | Value   |
|---------------------------|---|
| Center Frequency          | L1 Channel: 1575.4 + 10 MHz<br>L2 Channel: 1227.6 + 10 MHz  |
| 1 dB Two-sided Bandwidth  | 24 MHz min  |
| 80 dB Two-sided Bandwidth | 200 MHz max   |
| Rejection                 | 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              | 2.7 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             | Input: SMA Female, Output: TNC Female   |
| 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   |
| Package Size              | 0.5 x 1.3 x 4.0"  |

## Features

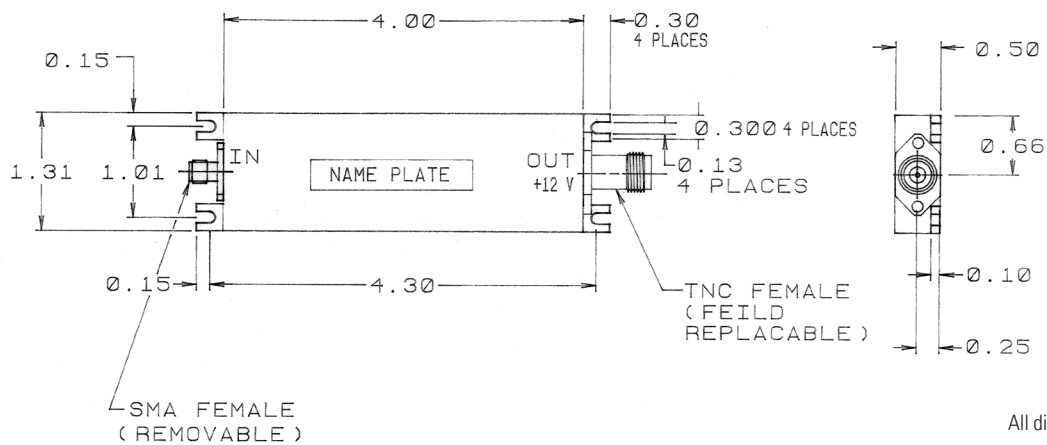
- L1+L2 Operation
- Low Noise Figure
- Cavity Filter
- Discreet Amplifier
- Excellent out-of-band attenuation

## Applications

- Aircraft
- Maritime
- Mobile
- Test Equipment



## Outline Drawing



## Need More Help? Need a Variant of This Product?

Contact Mercury's RF & Microwave engineering team at [rf.microwave@mrcy.com](mailto:rf.microwave@mrcy.com) or visit [www.mrcy.com/rf](http://www.mrcy.com/rf) for a detailed listing of RF and Microwave products.



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