

GPS Filter/Amplifier L5625



Specifications are subject to change without notice

Electrical Specifications (+25°C)

Parameter	Value
Center Frequency	L1 Channel: 1575.4 + 10 MHz L2 Channel: 1227.6 + 10 MHz
1 dB Two-sided Bandwidth	25 MHz min
80 dB Two-sided Bandwidth	200 MHz max
Center Frequency Gain (1)	30+ 3 dB
L1 & L2 Gain Match	Within 2 dB
Rejection	80 dB minimum 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
Signal Band Noise Figure	3.6 dB maximum at + 10 MHz from L1 and L2
VSWR	1.5:1 referenced to 50 Ohms
dc Power	Through center conductor of output coaxial connector or separate terminals
Voltage	+ 8.7 Vdc to + 22.0 Vdc
Current	0.050 Amps max
Ripple and noise	0.25V peak-to-peak, maximum
Transient excursion	0.2 V for 0.2 seconds, maximum
Input In-Band Power Handling	+10 dBm RF for 1 minute
Input Out-Of-Band Power Handling	+ 33 dBm RF without damage (at least 100 MHz removed from L1 or L2)
1 dB Compression Point	>+0 dBm min. +5 dBm typ.
Continuous Operating Temp	- 54 to + 71 OC
Elevated Temperature	+ 71 to + 95 OC
Non Operating Temperature	- 62 to + 95 OC
Altitude	-1000 to +15,000 feet
Humidity	100 percent, condensing

Features

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

Applications

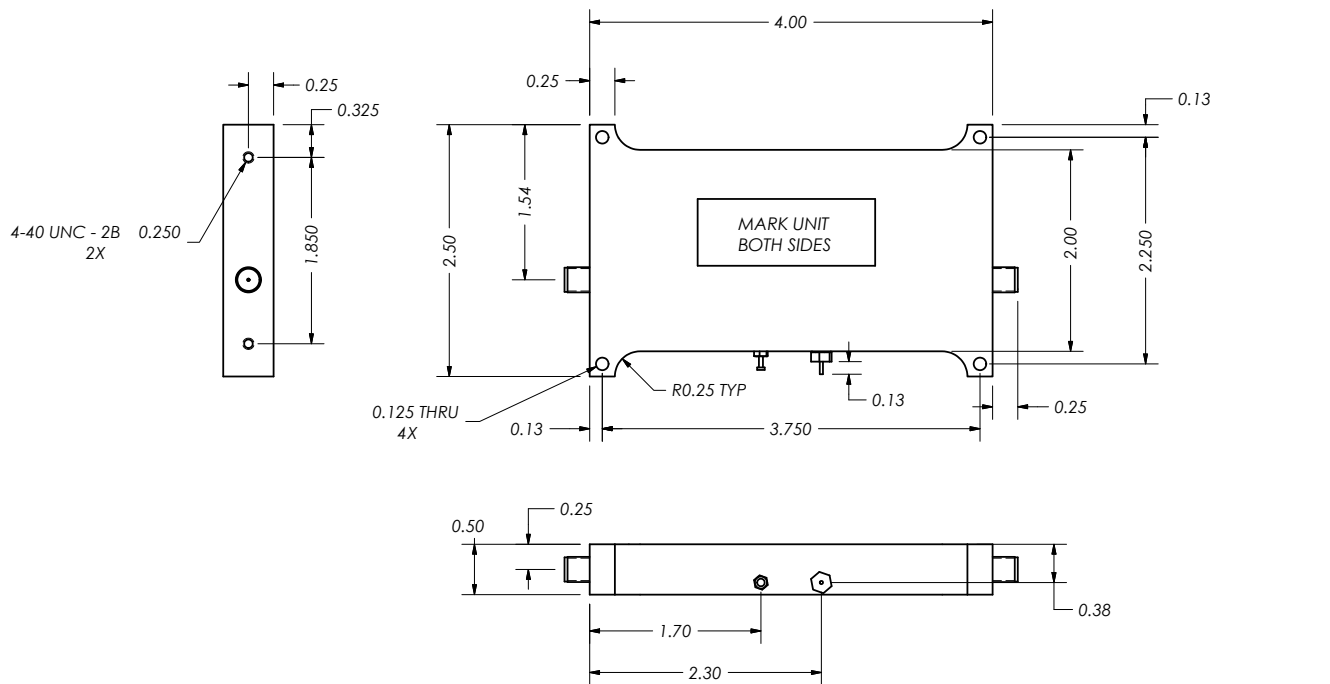
- Aircraft
- Maritime
- Mobile
- Test Equipment



Electrical Specifications (+25°C) (Continued)

Parameter	Value
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
Reliability (MTBF)	193,000 hours per MIL-HDBK-217 for Airborne, Uninhabited, Fighter Environment.
Finish	Haze Gray per
Package Size	0.5 x 2.5 x 4.0"

Outline Drawing



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