

GPS Filter/Amplifier L5698



Specifications are subject to change without notice

Specifications

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

Features

Cavity Design
Low Loss

Applications

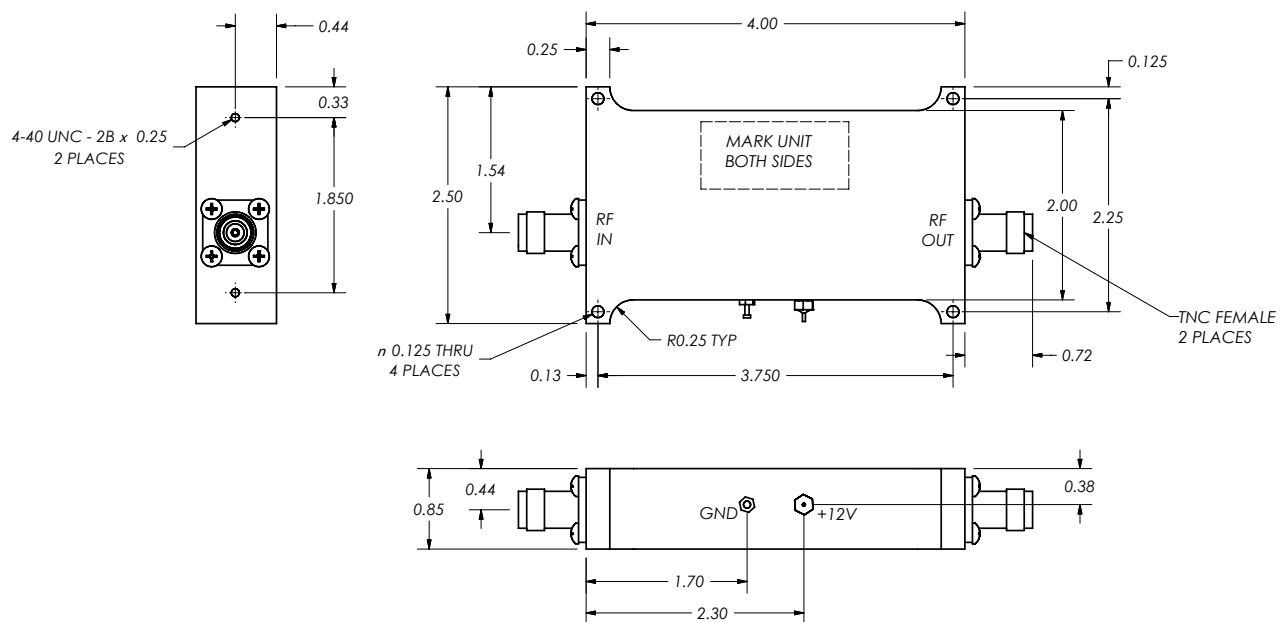
Maritime
Airborne
Mobile
Timing
Test Equipment



Specifications (continued)

Parameter	Value
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
Weight	0.5 pounds maximum
Reliability (MTBF)	193,000 hours per MIL-HDBK-217 for Airborne, Uninhabited, Fighter Environment.
Finish	Haze Gray per MIL-P-24441, Type 1
Connectors	TNC Female
Package Size	0.85 x 2.5 x 4.0"

Outline Drawing



All dimensions are in inches

Need More Help? Need a Variant of This Product?

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