

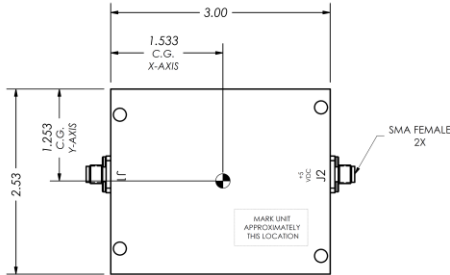


# Model Number L56114

## Space Qualified

### GPS + GLONASS Filter Amplifier

Rev. -  
8/27/13



#### Features:

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

#### Applications:

- Spacecraft
- Test Equipment

#### Package size:

- 0.8 x 2.5 x 3.0"

(Please see outline for exact dimensions)

Parameter	L1 Channel	L2 Channel
Center Frequency	1565 to 1612 MHz	1217 to 1256 MHz
35 dB Two-Sided Bandwidth	200 MHz maximum	200 MHz maximum
Rejection from 10 MHz to 975 MHz	60 dB minimum	
Rejection from 1775 MHz to 18 GHz	60 dB minimum	
Center Frequency Gain	43 dB $\pm$ 3 dB at L1 and L2	
Noise Figure (25° C)	2.5 dB maximum centered at L1 and L2	
Noise Figure (50° C)	2.9 dB maximum centered at L1 and L2	
VSWR, Input	1.5:1 maximum	
VSWR, Output	2:1 maximum	
Voltage	+5 VDC through RF output connector (only)	
Current Draw	0.150 Amps maximum	
Operating Temperature	-30° to +50° C	
Survival Temperature	-80° to +125° C	
Shock (Survival)	Frequency (Hz)	SRS (g)
	20	40
	30	80
	320	270
	760	1140
	1500	3500
	2700	6600
	4200	9600
Vibration (Survival)	Frequency (Hz)	PSD (g <sup>2</sup> /Hz)
	5	0.05
	10	0.1
	63	0.1
	64	0.2
	72	0.2
	73	0.1
	96	0.1
	97	1.25
	107	1.25
	108	0.095
	300	0.5
500	0.5	
1000	0.01	
2000	0.01	
RF Emission	-80 dBm maximum	
Radiation Hardness	10 krad minimum	
Finish	Nickel Plate	
Outgassing	<1%TML <0.1% VCML	
Discrete Components	High-Reliability Designed and Screened	
Weight	220 Grams maximum	
Connectors	SMA Female	



## Delta Microwave

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Delta Microwave's Quality Management System has been assessed by NSF-ISR and found to be in conformance with AS9100:2009, Rev. C. Delta Microwave reserves the right to change specifications without notice. Please verify specification revision letter upon order placement.

Written By \_\_\_\_\_ Approved By \_\_\_\_\_