

# Space Qualified GPS Filter/Amplifier L5699



Specifications are subject to change without notice

## Specifications

Parameter	Value
Passband	1217 to 1237 MHz 1565 to 1585 MHz
Rejection	
Below 1127 MHz	60 dB minimum
1327 MHz to 1475 MHz	60 dB minimum
1675 MHz to 10 GHz	60 dB minimum
Gain	46 ±2 dB
Gain Flatness	±1 dB
1 dB Compression	-10 dBm minimum
Steady-State Power Handling	50mW CW
Peak Power Handling (10µsec width duty cycle of 1ms)	2 W
VSWR	2.0:1
Noise Figure	3.0 dB maximum
Power Isolation	1MΩ between any of the power connector pins and the LNA case
Current Draw	125mA maximum during operation at 28VDC
Operating Temperatures	-24 to +61°C
Connectors	SMA Female
Package Size	4.9" x 1.9" x 1.8"



## Features

L1+L2 Operation  
Low Noise Figure  
Floating Ground

## Applications

Booster  
Re-Entry Vehicle  
Test Equipment

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

Contact Mercury's RF & Microwave engineering team at [rf.microwave@rcy.com](mailto:rf.microwave@rcy.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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