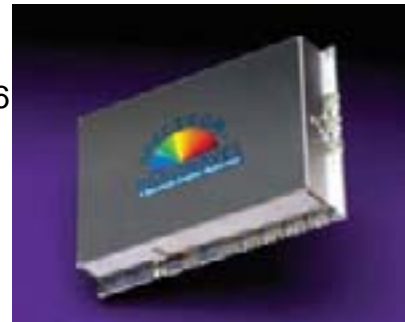




## **New Small Surface Mount Filtered GPS Low Noise Amplifier Rejects Signals By At Least 35 dB Over The L1 Band**

Delmar, DE – December 9, 2008 - Spectrum Microwave introduces its new line of Surface Mount Filtered GPS LNAs offering multiple gain stages of 26 to 38 dB with more than 35 dB of out-of-band rejection at 1575.42 MHz. This new small surface mount design exhibits a low noise figure of 1.8 dB, and operates from a 5 to 32 volt supply while only consuming 77 mA.



These filtered amplifiers offer a 4 pin design for easy mounting and customer selected 26 dB, 32 dB or 38 dB gain options while still maintaining a low 1.8 dB noise figure from 0°C to 70°C. Spectrum also offers these filtered LNAs in connectorized hermetic packages for in-line booster applications or other harsh environments.

Spectrum Microwave's high isolation, Filtered LNAs are ideal for a wide range of applications including Avionics, Satellite Navigation, Marine Navigation, or Surveying and Mapping systems. The series 310 Filtered GPS LNAs are priced starting from \$300 depending on quantity and configuration, with typical delivery lead-times of 6 weeks.

### **About Spectrum Microwave**

Spectrum Microwave is a wholly owned subsidiary of Spectrum Control, Inc. and produces a wide range of microwave components and systems. Frequency Control Components include a wide range low phase noise amplifiers, LNAs, Mixers, Switches, DROs and VCOs. The Filter Division specializes in Lumped Element Filters, Cavity, Ceramic, Waveguide, Tubular, Diplexer and Multiplexer Designs. The Integrated Microwave Systems Group designs Switch Filter Banks, Synthesizers, PLOs, DTOs, GPS LNAs, and Sophisticated Microwave Assemblies.

### **About Spectrum Control**

Spectrum Control, an ISO 9001:2000 and TS 16949 certified company, designs, manufactures and markets a broad line of EMI/RFI filters and power components, power management systems, microwave components, and sensors and controls.

The Spectrum Control Signal & Power Integrity Group produces discrete surface mount EMI filters, resin sealed and hermetically sealed EMI filters, EMI filtered arrays, EMI filtered connectors, ESD/EFT protected connectors, filtered data-com connectors, gaskets and shielding, patch antenna elements, single line filters, filtered terminal blocks, power entry modules, power line filters, military/aerospace multi-section filters, and commercial custom assemblies.

Spectrum Power Management Systems produces AC and DC power distribution and remote management systems. Products include off-the-shelf SMART start products as well as customized products or systems designed to suit specific user requirements. DC power circuit breaker and fuse interface panels, power outlet strips and data acquisition modules are also offered.

Spectrum Sensors & Controls Precision Positioning Sensors Operation manufactures a variety of precision co-molded conductive plastic potentiometers and position sensors, as well as element segments and cable assemblies. Designs for these potentiometers and position sensors include rotary, motorized, hollow shaft, linear and fader types, as well as custom assemblies. The company's Advanced Thermal Products Operation produces temperature sensing probes and assemblies, PTC and NTC thermistors and resistive temperature detectors (RTDs).

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