

HGM and HGV Series Gunn Oscillators

The HGM and HGV series Gunn Oscillators cover the 7 - 150 GHz frequency range. A wide variety of designs provide solutions for most applications. Units are available with mechanical and/or electrical tuning, providing many possible tuning configurations. Superior frequency and power stability are achieved using cavity designs and optimal diode selection. Heaters can be provided to achieve greater frequency stability.

GaAs and InP Gunn diodes are used depending on the frequency and performance requirements. Cavity designs are mated with the proper Gunn diode to maximize performance.

Gunn oscillators are used as sources for mixer LOs, to drive multipliers, transmitters, and radars. Options available include voltage regulators, heaters, isolators, heat sinks, and micrometer tuners.

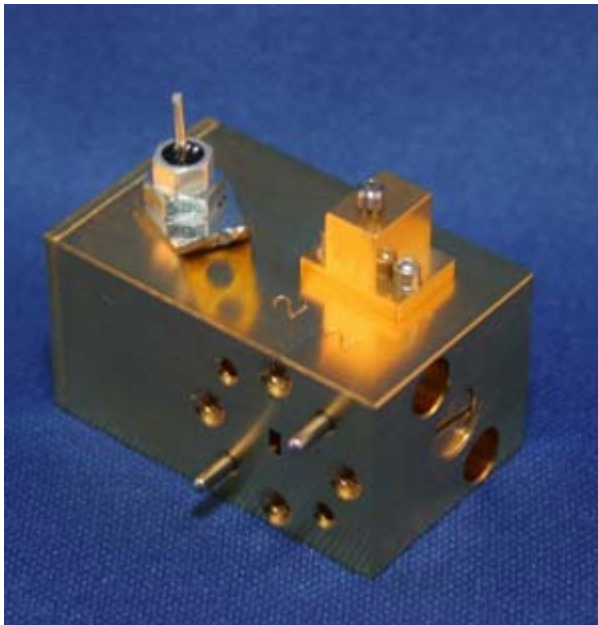
**Jan/Feb 2012
Wireless Edge
Newsletter**

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<http://www.hxi.com/MMWProducts.asp/HGM-RevG.pdf>

For more information on how HXI and Renaissance Electronics Corporation can give smart solutions to your challenging requirements contact us at 978-772-7774 or www.rec-usa.com / www.hxi.com.

GigaLink LightSpeed Radios

In an effort to address customer inputs and in the spirit of our commitment to continuous improvement, the Renaissance/HXI Extremely Low Latency GigaLink LightSpeed radio link has been improved for ease of deployment and increased range performance.

The first major change is an antenna design with improved performance and an associated robust mounting configuration. The improved antenna efficiency offers increased range and the superior mount makes antenna installation and pointing easier, thereby reducing installation costs.

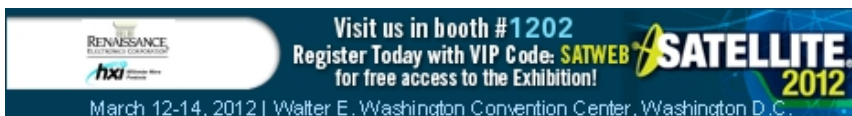
Increase in power output and decrease in receiver noise have led to significant improvements in range and fade margin. Output power options up to +23 dBm with noise reduction of 2 dB or more dramatically increase system gain, complemented by the improved antenna.

The increase in range further improves net system latency which is already among the lowest in the industry.

http://www.hxi.com/D_Radios.asp

For more information about these and other Renaissance/HXI products contact us at 978-772-7774 or visit www.rec-usa.com / www.hxi.com.

Renaissance Electronics Tradeshows 2012



Renaissance Electronics/HXI will be attending:

- **SatCom**
March, Washington DC, Booth #2012
- **NAB**
April, Las Vegas, Booth #C9648
(limited supply of free 'exhibits-only' passes by March 30th, please email us at sales@rec-usa.com if you would like one)
- **IMS MTT-S**
June, Montreal, Booth #500
- **MILCOM**
October/November, Orlando, Booth #218

More information to come on products being showcased.

Comprehensive information about various Renaissance/HXI products is available at our websites www.rec-usa.com / www.hxi.com.

Renaissance Electronics/HXI Product Videos

Please view our latest videos for comprehensive information and visuals of products.

[Renaissance Electronics Company Overview - 9 mins View](#)

[REC Products - 3 mins View](#)

[HXI Products - 2 mins View](#)

[Integrated Assemblies - 1 min View](#)

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