

1. VHF/UHF Matrix

Renaissance Electronics Corporation has designed a custom matrix for VHF/UHF bands connecting 4 inputs to 4 outputs, including associated keylines and TTL cross-connects. Using custom switches and an inventive layout, less than 0.15 dB insertion loss through the matrix has been achieved. This was vital since the power handling required was more than 200 watts per port. Isolation exceeding 95 dB between ports ensures that cross-talk and noise are suppressed. Control interface is through custom software on a robust RS-422 serial bus.



For additional information please contact Renaissance Sales at 978-772-7774, sales@rec-usa.com.

2. High Power Amplifiers

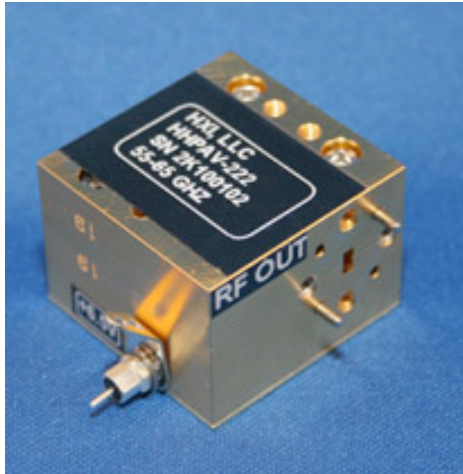
Our HMPA and HHPA range of Medium and High Power Amplifiers for Transmitters, LO Frequency Amplification and Power Distribution are available over the frequency range from 8 to 100 GHz. New models in the 28-32 GHz and 32-36 GHz ranges and various new designs in the V-Band and W-Band will be unveiled this year. A wide variety of gain and bandwidth combinations are available to provide solutions for radar systems, communication systems and other applications. Variations of the catalog products and even radically new designs can be offered, often without NRE charges. Most models offer single bias operation with internal regulation and bias sequencing. MMIC technology is employed for high reliability and repeatability. The highest power units use low loss waveguide power combiners.

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Datasheets are available at www.hxi.com/htdocs/prodserve/hhpa.pdf

HXI also offers Low Noise Amplifiers, Mixers, Up Converters, Frequency Multipliers, Switches and Isolators. Check www.hxi.com for details.

For more information please contact Renaissance Sales at 978-772-7774, sales@rec-usa.com or HXI Sales at 978-521-7300 ext. 7321, sales@hxi.com.

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