

48 x 4 Switch Matrix - 18A6BAB

Renaissance Electronics Corporation's System Group has designed a dual 48 x 4 switch matrix for ATE applications that can cover from 700 MHz (LTE) to 6 GHz (Wi-Fi) frequencies. Using high reliability solid state switches, the switching speed is on the order of nanoseconds helping test handsets and other portable communication devices with minimum delay time. The switch layout and mechanical integrity is to provide more than 60 dB channel to channel isolation for accurate measurements.



**Nov/Dec 2010
Wireless Edge
Newsletter**

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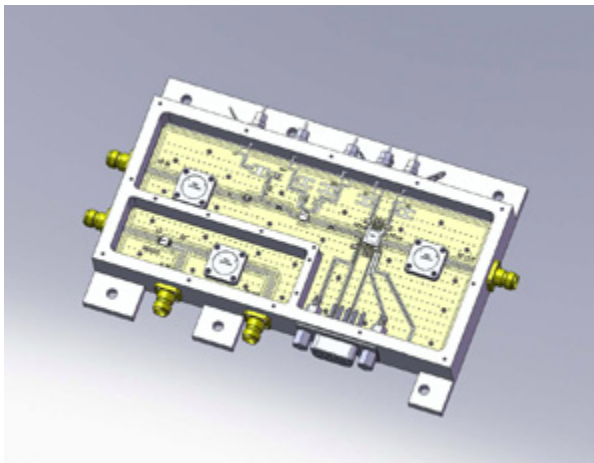


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If you would like more information please contact sales at 978-772-7774, sales@rec-usa.com or visit www.rec-usa.com.

Power Amplifier

The HRAD6.5-005 Power Amplifier / Upconverter covers the frequency range from 5.5 to 7.0 GHz and is usable to 7.2 GHz. MMIC technology is used to achieve high reliability and repeatability. An output level of 3.5W saturated has been achieved. The SSG is 40 dB at 6.5 GHz.



Multiple devices buffered by ferrite junctions used to achieve the best

possible match between stages have been combined to obtain the output power. Input and output ports are also buffered by ferrite junctions.

Each power amplifier contains a voltage regulator and bias sequencing circuitry allowing the use of a single bias to power the amplifier. This component can be integrated with the onboard DSB upconverters and other components to form custom subassemblies for specific applications. The upconverter is housed in a separate enclosure to prevent leakage and so that external filters can be used.

The amplifier/upconverter can be used in transmitters for communication and radar systems and also as part of test equipment suites.

Features

- 5.5 to 7.0 GHz Operation
- 3.5 W Output Power
- 40 dB Typical SS Gain at 6.5 GHz
- RoHS Compliant
- SMA JACKS for all RF ports
- IF input up to 2.5 GHz
- Output power detector
- OIP3 48 dBm

Applications

- Satellite Communications
- Radio Communications
- Radar
- EW Suite

If you would like more information please call 978-772-7774 or visit www.hxi.com.

HXI has moved to Renaissance Electronics corporate facility in Harvard, MA.

Renaissance Electronics Corporation/HXI is happy to announce that HXI has moved to the corporate headquarters in Harvard, MA. The new address is 12 Lancaster County Rd, Harvard, MA 01451 and the phone number is 978-772-7774. Web and e-mail addresses remain the same.

The amalgamation of HXI and Renaissance staff will further enhance the high quality of our product lines. For more information please contact us at 978-772-7774 or visit www.hxi.com.

HXI, LLC, is a vertically diversified, technology driven company that has provided innovative millimeter wave solutions for the most challenging requirements since 1992. HXI offers a complete portfolio of single function MMW components, MMW sub-system design and integration services as well as Gigalink® 60GHz and E-Band radio links. With over 25 years of MMW experience and market knowledge, HXI can provide ideal Military, Industrial, Research and Commercial solutions swiftly at a competitive

price.

Renaissance Electronics/HXI would like to wish you a Merry Christmas and a Happy New Year!

Our offices will be closed for the holidays from December 24 to January 3, returning to regular business hours on January 4, 2011. If you have any urgent requests please call 978-793-1710.

Season's greetings to all our clients and staff. We hope you enjoy a safe and happy holiday season. Thank you for your continued support.

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