

In This Issue

[Components for Auto Radar Development](#)

[K and Ka Band Isolators for Space Applications](#)

[Drop-in Circulators for Ku and X Band Radar Systems](#)

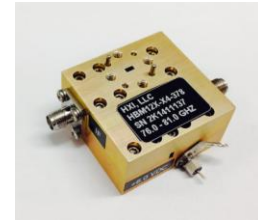
[Renaissance/HXI Product Lines](#)

[HXI Radios](#)



Components for Auto Radar Development & Testing Applications

HXI has provided a number of customers with components in the 76 to 81 GHz range in support of the development and testing of automotive IC's and modules. Among these components are integrated mixer/multipliers, LNA's, power amplifiers and isolators. Both WR12 and WR-10 waveguide sizes are supported.



[Auto Radar Components Datasheet](#)

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

K and Ka Band Isolators for Space Applications



Renaissance has successfully manufactured, screened and tested per MIL PRF 38534 Class K and MIL STD 883, K and Ka band Isolators for HI-REL applications in commercial and military satellites.

Renaissance Space heritage includes programs such as INMARSAT, PANAMSAT, GALAXY 5B, GLOBALSTAR, IRIDIUM, GPS III, SEA LAUNCH, etc.

Renaissance specializes in custom design and specifications to supply Customers exactly what they need, reducing delivery time and cost.

[K and Ka Band for Space Datasheet](#)

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



Drop-In Circulators for Ku and X Bands

For Ku-band and X-band radar systems, Renaissance has developed low insertion and return loss circulators operating between 9 and 10 GHz in a compact 0.5" x 0.5" x 0.18" package.

RENAISSANCE
ELECTRONICS CORPORATION

Switch Matrix
Renaissance's Switch Matrices are designed for users across a wide range of industries, including defense, aerospace, and telecommunications. They are designed to provide excellent performance and are available in a wide range of configurations and sizes.

Company Profile
Renaissance Electronics Corporation (RECE) is a leading provider of millimeter wave (mmWave) components and systems. With over 30 years of experience, we have a proven track record of providing high-quality, reliable products and services to our customers. We are currently focused on providing mmWave components and systems for defense, aerospace, and telecommunications applications. With over 100 years of combined experience, we provide the highest quality products and services to our customers.

Automated Test and Measurement SatCom Broadcast

Join Our Mailing List!

Stay Connected

- Vimeo
- LinkedIn
- YouTube
- Blog

In Stock, Ready to Sell!

Isolators, Circulators, Combiners available with volume discounts

Isolators, Circulators, Combiners

Surface Mount SLE Isolators

R3G9NAF Datasheet
R3G8NAR Datasheet

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



RENAISSANCE www.rec-usa.com *The New Thinking in Wireless Technology* **hxi** Millimeter Wave Products www.hxi.com

RF & MICROWAVE PRODUCTS: DC – 40GHz

<p>CIRCULATORS/ISOLATORS</p> <ul style="list-style-type: none"> Standard/Custom Frequencies Surface Mount, Coaxial, Drop-In, Waveguide and Microstrip Low Loss, High Isolation High Power to 10KW 	<p>SWITCHES/ATTENUATORS</p> <ul style="list-style-type: none"> High Rel Electromechanical Long-life (10M cycles) True Hermetic, Laser Welded Solid State PIN Diode, MEMS, GaAs 	<p>SWITCH MATRICES</p> <ul style="list-style-type: none"> NxM Matrices Reciprocal/Non-Reciprocal Blocking/Non-Blocking Electromechanical, Solid State or MEMS ATE & Custom Application 	<p>BASE STATION</p> <ul style="list-style-type: none"> DAS, Small Cell Components/Assemblies Multi-Band/Transmitter Combiners Power Dividers/Combiners/Duplexers Receiver Multi-Couplers/LNAs
--	--	--	--

HIGH FREQUENCY PRODUCTS: 30GHz – 110GHz

<p>RADIOS and RADARS</p> <ul style="list-style-type: none"> Low Latency (<2ns) Radios 60 GHz, 70/80 GHz Radios Customizable Features and Services X-Band to 100 GHz Radars FMWC and Pulsed RFES 	<p>COMPONENTS</p> <ul style="list-style-type: none"> Mixers & Upconverters Frequency Multipliers LNAs Power Amplifiers Switches & Attenuators
--	---

SPACE QUALIFIED PRODUCTS

- L, S, C, X, Ku-Ka Bands
- Microstrip, Coaxial and Drop-In Isolators
- Compact Size
- Low Loss, Temp Stable
- High Isolation
- Meets NASA's outgassing requirements

Renaissance Electronics & Communications, LLC 12 Lancaster County Road, Harvard, MA 01451 Tel: 978-772-7774 http://www.rec-usa.com

We Don't Build Our Radio...We Don't Build Their Radio

HXI Builds YOUR Radio!

<p>Customizable Features/Services:</p> <ul style="list-style-type: none"> Range Optimization Ridiculously Low Latency (<2 nS) Analog Versions Antennas & Mounting Alignment Tools Niche Applications Installation/Alignment Training on our Outdoor Range Range Calculations & Site Installation Recommendations Consulting Services For Single Link & Multiple Hop Installations <p>We Also Offer:</p> <ul style="list-style-type: none"> E-Band Interference Testing Tool Bench-Top Link Test & Qualification Equipment 		<p>Yes, we have standard radios in E-Band and at 60 GHz, but aren't there times when the standard just won't do? When you need a radio for a unique purpose, choose HXI to configure your link.</p> <p>12 Lancaster County Road Harvard, MA 01451 978-772-7774 sales@hxi.com www.hxi.com</p> <p>hxi Millimeter Wave Products</p>
---	--	---

Renaissance Electronics & Communications LLC/HXI LLC | 978-772-7774
sales@rec-usa.com | <http://www.rec-usa.com> | <http://www.hxi.com>
 12 Lancaster County Road, Harvard, MA 01451

Copyright © 2012. All Rights Reserved.