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Components

- Low Noise Amplifiers
- Power Amplifiers
- Mixers and Detectors
- Gunn Oscillators and VCOs
- Frequency Multipliers
- PIN Switches and Attenuators
- Isolators and Circulators
- Power Dividers and Combiners
- Switches - Electromechanical

Integrated Assemblies

- Receiver Multicouplers
- Switch Matrices
- ATCA and uTCA Based Integrated Assemblies
- Up/Down Converters
- Pulse Radar, Radio Links
- Front Ends
- Millimeter Wave Radio Links
- HDTV Transceiver

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Switch Matrix

Emergency Profile

Advanced Test and Measurement

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## Surface Mount Isolator and Circulator, 2SMH8ND & 3SMH8NF



For X band earth terminals, REC has designed a high peak power, surface mount isolator and circulator with low loss and operating over a wide temperature range of -55°C to 100°C.

[2SMH8ND & 3SMH8NF Datasheet](#)

For more information about Renaissance/HXI products contact us at 978-772-7774 or visit [www.rec-usa.com](http://www.rec-usa.com) / [www.hxi.com](http://www.hxi.com)

## Surface Mount Circulator, 3SMH8NDL



For airborne or ground based X-band communication systems, REC has designed a high power surface mount circulator with low loss and operating over -55 to 85°C.

[3SMH8NDL Datasheet](#)

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## Drop-In Isolator, 2K8NK

For satellite communications and space weather radar applications, REC has designed a high peak power drop in isolator with low loss and high isolation.

[2K8NK Datasheet](#)

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Isolators, Circulators,  
Combiners available with  
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[Surface Mount SLE Isolators](#)

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

### HXI Builds YOUR Radio!

#### Customizable Features/Services:

- ✓ 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

#### We Also Offer:

- ✓ E-Band Interference Testing Tool
- ✓ Bench-Top Link Test & Qualification Equipment



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.

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## Welcome to Renaissance/HXI

We would like to introduce and welcome two new employees who have recently joined the organization:

Cathy Thompson has joined us in the role of Buyer/Planner. Cathy comes to us with over ten years in various Buyer/Planner roles, as well as an extensive background in technical testing. We are happy to welcome Cathy and look forward to the positive impact she will bring to the organization.

Andrew Varghese has joined us in the role of Quality Engineer. Andrew has a Masters in Industrial Engineering, with a focus on Quality Systems Engineering. Andrew will share his expertise with many parts of the organization, focusing on our mission of growth and continuous improvement.

Please join us in welcoming both Cathy and Andrew to Renaissance/HXI!

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- ✓ Fast delivery of catalog components
- ✓ 25+ years average millimeter wave experience within engineering staff
- ✓ Optimum configurations for production systems or subsystems
- ✓ Expertise in military and commercial applications



- ✓ Low Noise Amplifiers
- ✓ Power Amplifiers
- ✓ Mixers and Upconverters
- ✓ Frequency Multipliers
- ✓ Switches and Attenuators
- ✓ Isolators and Circulators
- ✓ Radar Front Ends
- ✓ Digital and Analog Radio Links
- ✓ Custom Components and Subsystems



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