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New Thinking in Wireless and Radar Technology



## Renaissance Electronics/HXI Wireless Edge Newsletter

March/April 2019

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### IEEE Radar Conference April 22nd - 26th

HXI is proud to be a sponsor of this year's IEEE Radar Conference to be held at the Westin Waterfront Hotel in Boston, MA! **Come see us, Booth #1.**

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)

### Auto Radar Development & Testing



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.

The integrated mixer/multiplier modules exhibit the same low conversion loss as our standalone HBM12 mixers and incorporate the same multiplier circuits as our standalone active frequency multipliers. The result is the same great conversion loss and flatness with the added benefits of smaller size and a lower price than buying two separate components.

#### [Auto Radar Datasheet](#)

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### 9.3 - 9.5 GHz Surface Mount Circulator, X-band

Looking for a surface mount circulator at X-band that is compact but can still handle 10W? REC's 3SMH8NFL operates between 9.3 - 9.5 GHz with 0.6 dB loss and is a true SMT design that uses a footprint of just 0.457" x .350". The design is highly temperature stable and can operate from -55 to 100°C.

#### [3SMH8NFL Datasheet](#)

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### 600 - 900 MHz Coaxial Circulator, UHF-band

