

## In This Issue

[High Bandwidth Wireless for HD and 3D/HD Digital Video Cameras](#)

[Series HMI & HMC Isolators & Circulators](#)

[L-band Tapered 8-Way Divider, 10A3NB-8S](#)

[3 - 6 GHz, Drop-in, High Power Circulator, 3G6B Series](#)

[S-C band Coaxial Isolator, 2A6BA](#)

[Welcome PMR Technical!](#)

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[Isolators, Circulators, Combiners](#)

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## High Bandwidth Wireless for HD and 3D/HD Digital Video Cameras

*New developments in wireless technology allow uncompressed HD and 3D/HD to be transmitted up to 500 yards with the highest fidelity of signal and resolution*

High speed, high bandwidth wireless is now available that can transmit uncompressed high definition (HD) video signals and even High Def 3D at the performance level required to ensure the highest fidelity of signal and resolution.

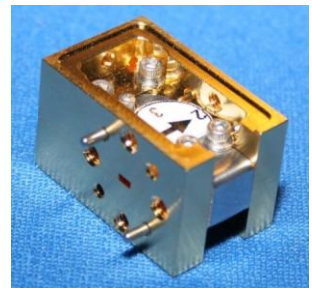
This technology, in the hands of camera operators in motion picture, television, sports, and Electronic News Gathering (ENG) organizations is ideal for the placement of digital video cameras in remote locations up to 500 meters from the receiver without wires and without concern for interference.

The breakthrough involves technology that works in the unlicensed 60 GHz "millimeter wave" frequency band. The data bandwidth available at this frequency allows a tremendous amount of digital information to be transmitted wirelessly at high speeds, a feat not possible at the lower frequencies used by most wireless equipment.

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## Series HMI & HMC Isolators & Circulators

The HMI AND HMC series broadband ferrite junction isolators and circulators are available from 18 - 120 GHz. They utilize a low loss H-plane structure in a modified Y-junction format to provide minimum loss with maximum isolation and bandwidth. 2 GHz bandwidths with 20 dB of isolation are standard. Wider bandwidth, high power handling and magnetic shielding are available in select units.



The isolators are commonly utilized to buffer mismatches and are often used on amplifier and oscillator outputs. Circulators are commonly employed as signal duplexers on transceivers having a single antenna. The in-line port orientation makes the mechanical interface more convenient than standard Y-junction types. Access pockets on the top and bottom allow for blind flange mating.

[Datasheet Link](#)

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)

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## L-band Tapered 8-Way Divider 10A3NB-8S



Renaissance Electronics has designed a high power divider that divides power from 6 to 18 dB across the output ports. Operating between 1100 and 1500 MHz, this 8-way divider has a footprint of 8" x 5". The divider can handle 350W Peak and 35 W CW.

[Datasheet Link](#)

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)

## 3 - 6 GHz, Drop-in, High Power Circulator, 3G6B Series

Renaissance has designed a high power drop-in Circulator for EW Jammer application.

Covering 2.5 - 6 GHz, this isolator can handle 100 W of CW Power over -40 to +95 C. The design is covered under a US Patent that provides a broadband match and power handling using a unique steel housing.



[Datasheet Link](#)

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## S-C band Coaxial Isolator, 2A6BA

Renaissance has developed a new coaxial isolator that operates from 2 to 8 GHz in a single compact package size. Typical insertion loss is 0.5 dB and at band edges, the loss typically is 1.0 dB at room temperature. With return loss and isolation tuned to 14 dB at room temperature, this unit is ideal for EW Jammer type applications.




[Datasheet link](#)

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).

## Welcome PMR Technical, LP

Renaissance Electronics welcomes PMR Technical to our valued team of Sales Representatives!

PMR has been serving the RF/Microwave, Petrochemical and Test & Measurement sectors for over 40 years, with a strong sales team currently led by Chad Parsons. Renaissance is



excited to welcome PMR's team and their excellent customer base to support our offerings in Texas.

We are looking forward to a successful partnership!

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