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Renaissance Electronics/HXI Wireless Edge Newsletter
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Double Junction Isolators
Series HMID

The HMID series of double ferrite junction isolators are available to cover 71-76 GHz and 81-86 GHz, with more models planned. The isolators utilize a low loss H-plane structure in a modified Y-junction format to provide minimum loss with high isolation (~40 dB).

The isolators are commonly utilized to buffer mismatches and are often used on amplifier and oscillator outputs. They also work nicely when used at the inputs to detectors in measurement applications.

Series HMID Datasheet

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

500 - 900 MHz Drop-in Circulator, UHF-band,
690 - 1100 MHz Drop-in Circulator, Broadband

Renaissance has designed two drop-in circulators (UHF/Broadband) designed for CW and pulsed applications such as wireless infrastructures, RADAR, Military communication radios and duplexing applications. Operating over 500 - 900 MHz and 690 to 1100 MHz respectively, these circulators are compact in size (~ 2” x 2” x 0.6”) and are capable of withstanding 350W of CW power levels.

3G2BF(G) Datasheet

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

Mechanically-Tuned Gunn Oscillators & VCOs
Series HGM & HGV

HXI's HGM and HGV series Gunn Oscillators cover the range from 26.5-110 GHz. A wide variety of designs provide the user with a solution for most...
applications. Units are available with mechanical and/or electrical tuning, providing many possible tuning configurations. Superior frequency and power stability are achieved using cavity design and diode selection. Heaters can be provided to achieve greater frequency stability.

**HGM/HGV Series Datasheet**

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

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### 25.5 - 27.0 GHz Coaxial Isolators, K-band

Ideal for military and commercial SatCom applications, Renaissance has designed a K-band coaxial isolator that operates over a frequency of 25.5 - 27.0 GHz. This isolator offers low VSWR, low insertion loss and high isolation.

**2A9NHY(Z) Datasheet**

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

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### HXI Builds Your Radio!

Yes, we have standard radios at 60 GHz (V-Band) and at 70/80 GHz (E-Band), but aren't there times when standard just won't do? When you need a radio for a unique purpose, choose HXI to configure your link.

**Radio Brochure**

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

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### REC/HXI Product Lines

DC to 300 GHz
For more information about Renaissance/HXI products contact us at 978-772-7774 or visit www.rec-usa.com / www.hxi.com

REC Parts Catalog

Renaissance has created a new electronic catalog. It is a downloadable, searchable spreadsheet of our parts. Easy tool to sort, search and locate the perfect part for your needs. If you don't see what you need, just call or email us!

Renaissance Catalog

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

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