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Renaissance/HXI Wireless Edge Newsletter
July/August 2020

Renaissance/HXI
Proud Exhibitor at IMS2020

IMS2020 IS GOING VIRTUAL!
AUGUST 2020

Come visit our virtual booth at IMS2020! We'll be there to chat, share product and capability details and answer any questions you may have.

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

22 - 25 GHz Space Qualified SMT Isolator

Renaissance has produced the world's first K-band, Space Qualified, true surface mount isolator that can support Deep Space Communication Networks. The isolator features 15% bandwidth, low insertion loss and VSWR and high isolation. The package is a true surface mount, coplanar design that can be reflowed or screwed into the PWB.

2SMH9ND-S Datasheet

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HXI's HDA040-069 Digital Attenuator covers the range from DC to 40 GHz in 6-bit operation. Attenuation bit values are 0.5 dB (LSB), 1, 2, 4, 8 and 16 dB for total attenuation of 31.5 dB above the attenuator insertion loss. Low bit errors and RMS phase errors are characteristics of this attenuator. The attenuator is useful for communication systems, radars and in test equipment.

Broadband Digital Attenuator Datasheet

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2.3 - 3.8 GHz Drop-In Circulator, S-Band

For use by airport surveillance radar for air traffic control, weather radar, surface ship radar, and some communications satellites Renaissance has developed this S-Band drop-in circulator. This high-power compact circulator can withstand extreme temperature conditions while maintaining superior performance.

3G5BM Datasheet

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22.5 - 23.6 GHz Coaxial Isolator, K-Band

Ideal for SOTM communication systems, Renaissance has designed this K-Band Coaxial Isolator. Providing high resolution and throughput, this isolator operates at 22.5 - 23.6 GHz and offers REC’s signature high isolation, low insertion loss and performance.

2A9NNJ Datasheet

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Need products to support your 5G communication development and testing efforts? Look no further! Renaissance and HXI can provide a wide array of products to fit your needs.

**REC 5G Products**

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<th>Product</th>
<th>Frequency (GHz)</th>
<th>Isolation (dB)</th>
<th>Isolation (dB)</th>
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<tbody>
<tr>
<td>RX-100-1</td>
<td>22 – 26</td>
<td>45</td>
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<tr>
<td>RX-100-2</td>
<td>24 – 27</td>
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<tr>
<td>RX-200-1</td>
<td>26.5 – 29.5</td>
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**Switch Matrices**

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<tr>
<td>RX-100-2</td>
<td>Wideband Isolator</td>
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<tr>
<td>RX-200-1</td>
<td>Wideband Isolator</td>
<td>26.5 – 29.5 GHz</td>
</tr>
<tr>
<td>RX-200-2</td>
<td>Wideband Isolator</td>
<td>26.5 – 29.7 GHz</td>
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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)

**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**

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**REC/HXI Product Lines**

**DC to 300 GHz**

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**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**

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