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## Octave Bandwidth Drop-In Isolators/Circulators

Renaissance continues to meet the latest customer requirements with broadband drop-in parts. Here is an easy way to see parts in L, S, C, X and Ku Bands in a single glance. Of course, we can still customize parts for unique frequency requirements.

Part No.	Freq Min (GHz)	Freq Max (GHz)	Isolation Min (dB)	Loss Max (dB)	VSWR	Size " (l*w*h)
<a href="#">3G3NBJ</a>	1.2	2	10	1.3	2	1.0*1.0*0.34
<a href="#">2H5BG</a>	2	4	14	0.6	1.4	0.875*0.875*.345
<a href="#">2H8BAG</a>	6	12	15	0.5	1.42	0.375*0.3*0.375
<a href="#">2J8BB</a>	6	18	12	1.0	1.67	0.4*0.165 Round
<a href="#">2H8BAD</a>	6.25	18.2	13	1.2	1.6	0.5*0.5*0.21

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)

## 14-16 GHz Surface Mount Circulator



Looking for a Surface Mount K-band Circulator? Renaissance Electronics has designed the industry first 14-16 GHz true surface mount, coplanar, stripline circulator that can handle up to 30 W with less than 0.3 dB insertion loss.

[3SMH9NA Datasheet](#)

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## HXI Series HMPA and HHPA



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## In Stock, Ready to Sell!

Isolators, Circulators, Combiners available with volume discounts

[Isolators, Circulators, Combiners](#)

[Surface Mount SLE Isolators](#)

## Power Amplifiers

The HMPA and HHPA Series of Power Amplifiers cover the frequency range from 18 - 100 GHz. A wide variety of gain and bandwidth combinations are available to provide the designer with a solution for most applications. Custom designs are available and in most cases, NRE is not required. MMIC technology is employed for high reliability and repeatability.



### [HMPA HHPA 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)

## 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!

### [Renaissance Catalog](#)

  			
<b>RF &amp; MICROWAVE PRODUCTS: DC – 40GHz</b>			
<b>CIRCULATORS/ISOLATORS</b>  <ul style="list-style-type: none"> <li>• Standard/Custom Frequencies</li> <li>• Surface Mount, Coaxial, Drop-In, Waveguide and Microstrip</li> <li>• Low Loss, High Isolation</li> <li>• High Power to 10KW</li> </ul>	<b>SWITCHES/ATTENUATORS</b>  <ul style="list-style-type: none"> <li>• High Rel Electromechanical               <ul style="list-style-type: none"> <li>- Long-life (10M cycles)</li> <li>- True Hermetic, Laser Welded</li> </ul> </li> <li>• Solid State               <ul style="list-style-type: none"> <li>- PIN Diode, MEMS, GaAs</li> </ul> </li> </ul>	<b>SWITCH MATRICES</b>  <ul style="list-style-type: none"> <li>• NxM Matrices</li> <li>• Reciprocal/Non-Reciprocal</li> <li>• Blocking/Non-Blocking</li> <li>• Electromechanical, Solid State or MEMS</li> <li>• ATE &amp; Custom Application</li> </ul>	<b>BASE STATION</b>  <ul style="list-style-type: none"> <li>• DAS, Small Cell Components/Assemblies</li> <li>• Multi-Band/Transmitter Combiners</li> <li>• Power Dividers/Combiners/Duplexers</li> <li>• Receiver Multi-Couplers/LNAs</li> </ul>
<b>HIGH FREQUENCY PRODUCTS: 30GHz – 110GHz</b>		<b>SPACE QUALIFIED PRODUCTS</b>	
<b>RADIOS and RADARS</b>  <ul style="list-style-type: none"> <li>• Low Latency (&lt;2nS) Radios</li> <li>• 60 GHz, 70/80 GHz Radios</li> <li>• Customizable Features and Services</li> <li>• X-Band to 100 GHz Radars</li> <li>• FMCW and Pulsed RFEs</li> </ul>	<b>COMPONENTS</b>  <ul style="list-style-type: none"> <li>• Mixers &amp; Upconverters</li> <li>• Frequency Multipliers</li> <li>• LNAs</li> <li>• Power Amplifiers</li> <li>• Switches &amp; Attenuators</li> </ul>	 <ul style="list-style-type: none"> <li>• L, S, C, X, Ku-Ka Bands</li> <li>• Microstrip, Coaxial and Drop-In Isolators</li> <li>• Compact Size</li> <li>• Low Loss, Temp Stable</li> <li>• High Isolation</li> <li>• Meets NASA's outgassing requirements</li> </ul>	
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