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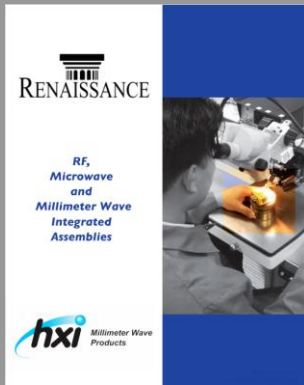
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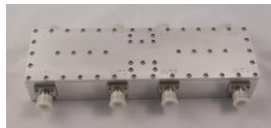


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## 4 X 4 Hybrid Coupler For DAS Applications

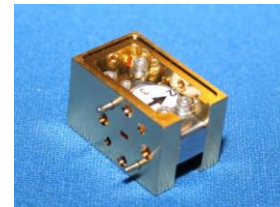


REC has developed a compact 4 x 4 Hybrid Coupler to assist in the deployment of multi-band DAS systems. It operates between 698 - 2700 MHz and has the ability to combine four distinctive inputs. The input power is 150W with low IMD measurement of -153 dBc @ 2 tone, 43 dBm.

[Hybrid Coupler 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)

## HXI's 94 GHz Circulator 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.

[HMI HMC Datasheet](#)

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Isolators, Circulators, Combiners available with volume discounts

[Isolators, Circulators, Combiners](#)

[Surface Mount SLE Isolators](#)

## High Power Coaxial Switch 26 to 40 GHz SPDT



The HSWM22801-309 SPDT Broadband Switch covers a wide range of applications in the 26 to 40 GHz band. The switch uses a low loss microstrip structure and a GaAs MMIC which also offers high RF power handling. Superior performance in a compact size is featured in this design.

Applications include transmit/receive switching, receiver protection, integrated subsystems and general RF switching.

[HSWM22801-309 SPDT Broadband Switch](#)

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>• <b>Low Latency (&lt;2nS) Radios</b></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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