



## Series HBUC Balanced Upconverters

The HBUC series broadband balanced upconverters cover a wide range of waveguide bands from 18 -110 GHz. They utilize a low loss structure mated to a matched pair of GaAs Schottky beam lead diodes for minimum conversion loss and maximum bandwidth. Superior LO noise suppression and LO -RF isolation values are design features.

Upconverters are used to create a millimeter wave signal by combining a lower IF frequency with a higher MMW LO frequency. Dual signals, or double sidebands are produced in this way:  $LO \pm IF$  (DSB). Optional filters are offered to suppress the unwanted sideband and produce a single sideband (SSB) upconverter. Biased versions are available for lower LO drive levels.

Click below for datasheet

<http://www.hxi.com/Datasheets/HBUC-RevG.pdf>

For more information about this product, contact: HXI Sales at 978-772-7774,  
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