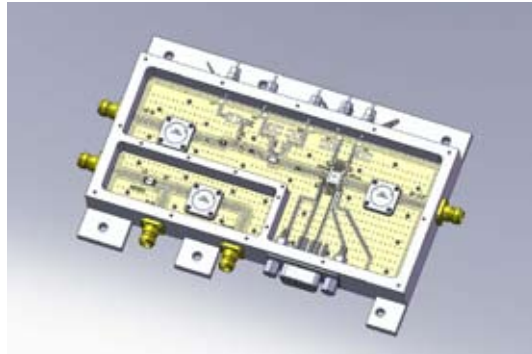


Power Amplifier



The HRAD6.5-005 Power Amplifier /Upconverter covers the frequency range from 5.5 to 7.0 GHz and is usable to 7.2 GHz. MMIC technology is used to achieve high reliability and repeatability. An output level of 3.5W saturated has been achieved. The SSG is 40 dB at 6.5 GHz. Multiple devices buffered by ferrite junctions used to achieve the best circuitry allowing the use of a single bias to power the amplifier. This component can be integrated with the onboard DSB upconverters and other components to form custom subassemblies for specific applications. The upconverter is housed in a separate enclosure to prevent leakage and so that external filters can be used. The amplifier/upconverter can be used in transmitters for communication and radar systems and also as part of test equipment suites.

Features

5.5 to 7.0 GHz Operation
3.5 W Output Power
40 dB Typical SS Gain at 6.5 GHz
RoHS Compliant
SMA JACKS for all RF ports
IF input up to 2.5 GHz

Output power detector
OIP3 48 dBm
Applications
Satellite Communications
Radio Communications
Radar
EW Suite

If you would like more information please call 978-772-7774 or visit www.hxi.com.