

C Band Block Downconverters

Orbital BDC3000 Series C-Band Block Downconverter:

You don't have to pay a fortune to have superb, professional quality BDCs. With an LNA that covers your satellite, simply order a custom Orbital BDC to cover the bandwidth that you need. You can specify input and output connector types, external DC input, coaxial DC input, or dual power option. Most importantly, we can customize your gain to optimize compression point and noise distribution. Just tell us your needs, and we will build a mass-custom solution in a unique, cost effective way.

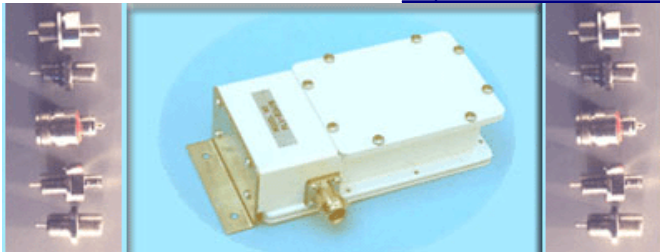
You can use an Orbital BDC module as is, mounted at the back of the rack, or in an outdoor enclosure, or build up your own rack mount unit to meet your precise needs. Many of the world's best known integrator/rack builders use Orbital BDC modules at their core. If you don't want to build your own unit, Orbital can pass you on to integrator/rack builders that will do the job for you using high quality Orbital components.

"Mass-Custom" Solution:

Orbital starts with a proven performance product that is extremely well engineered, with the development costs amortized over hundreds of thousands of units, and the parts costs reduced by volume discounts. We then customize the mass produced LNB into what you want at a fraction the cost of building from scratch. Mass manufacturers 'over-engineer' their mass-produced product to maximize factory yields, and by giving these units individual adjustment and selective component replacement, we are able to bring out their inner excellence.

E-mail: sales@orbitalresearch.net Phone: (604) 856-0305 Fax: (604) 856-0315

Website: <http://www.orbitalresearch.net/>



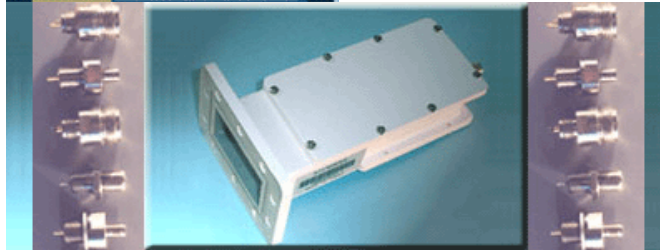
External Reference LNBS available for greater stability, or combine them with our **Master Oscillator Module (MOM)**, or with our **Precision Oscillator Package (POP)** for ultimate stability.

Why Orbital Products?

- ❑ Wide array of connector choices
- ❑ Begin with the low noise figure of a proven quality LNB
- ❑ Optimized Input and Output for superior VSWR
- ❑ Modified LO frequencies while preserving phase noise and stability
- ❑ Modified and tuned RF & IF filters for optimum response
- ❑ Tuned for very low bandpass ripple
- ❑ Optimized gain distribution for your system parameters



Alarm Reporting option that detects **loss of lock!** You don't have to have a complete failure for your system to go down. This option triggers conventional redundant switches on loss of lock.



Orbital LNB3000 Series C-Band Low Noise Block Down Converter:

- ❑ 40 to 65 dB gain, 250 to 800 MHz bandwidth, any C-Band Satellite
 - ❑ Various External DC connector options
- ❑ Special Dual DC option via output coax and external DC port
 - ❑ Custom alarm options for redundant switch operations
 - ❑ External reference models available for increased stability
 - ❑ Custom L band output bandwidth available up to 800 MHz
 - ❑ Custom IF amps capable of +17 dBm compression point
 - ❑ Full test documentation available
 - ❑ Custom design and labeling requirements welcomed

Systems Integration and Signal Routing Components?

- ❑ Orbital also provides many of the components needed for systems integration and signal routing, such as:
 - ❑ Bias Tees/Mux Tees/Diplexers in standard and high power versions
 - ❑ Dual Power Tees for inexpensive, hot swappable, power supply redundancy
 - ❑ High quality and Precision 10 MHz reference oscillators built for the satellite industry
 - ❑ Thru Tees for 10 MHz and L-Band pass through
 - ❑ 10 MHz Splitters

- TTL switches
- Combining networks
- C-Band, Ku-Band, and Ka-Band LNBs and BDCs

Just because you don't see it on our website doesn't mean we don't make it!

Contact Information:

E-mail: sales@orbitalresearch.net
engineering@orbitalresearch.net

Sales Phone: (604) 856-0305 Fax: (604) 856-0315

Engineering Phone: (604) 535-0785 Fax: (604) 535-0731

Website: <http://www.orbitalresearch.net/>