

# Model 4023-B C-Band BDC

## Specifications

<b>INPUT FREQUENCY TO EXTERNAL BDC</b> .....	<b>3.4 - 4.2 GHz</b>
IF Output Frequency .....	950 to 1750 MHz, Inverted
Gain .....	20 db min, 35 db max
Level Stability .....	1 dB p-p Max, 27 MHz segment
1 Db compression point .....	+9 dBm min
Noise Temperature .....	30 K
Image Rejection .....	45 dB min
Local Oscillator Frequency .....	5.150 GHz
Local Oscillator Stability .....	±10 kHz
Local Oscillator Phase Noise .....	-75 dBc/Hz @ 1 kHz
Local Oscillator Leakage .....	-45 dBm max, measured at Waveguide input
Input Connector .....	Type N-Female
Output Connector .....	Type F, Female, 75 ohm
Dimensions .....	8.3" x 4.0" x 2.8"
Weight .....	40 oz
Operating Temperature .....	- 30 to +55 C
Relative Humidity .....	up to 100 % condensation and Frost
Power .....	+15 to 24 VDC, supplied on center conductor of IF cable
Current Draw .....	350 ma, typical

**Other Frequency Ranges are available.**

Please see <http://www.satsyscorp.com> for more information.



**Satellite Systems** Corporation  
 101 Malibu Drive Virginia Beach, VA 23452 USA  
 Voice (757) 463-3553 Fax (757) 463-3891  
[sales@satsyscorp.com](mailto:sales@satsyscorp.com)