

# Model 4027-C KuC-Band BDC

The model 4027 series are BDCs suitable for use with SSC's 3430/3500 line of Beacon tracking receivers, as well as the model 4500 line of Frequency agile Downconverters.

## Specifications

<b>INPUT FREQUENCY TO BDC</b>	<b>10.95 - 11.7 GHz</b>
IF Output Frequency	950 to 1700 MHz
Gain	20 dB min, 35 dB max
Gain Variation	3 dB p-p typical, 4 dB p-p max
Gain Ripple	1 dB p-p max, 27 MHz segment
1 dB compression point	+7 dBm min
Noise Figure	1.2
Image Rejection	55 dB typical, 45 dB min
3 <sup>rd</sup> Order Intercept Point	+10 dBm min
Local Oscillator Frequency	10.00 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	SMA-female, 50 ohm
Output Connector	Type F, Female, 75 ohm
Dimensions	5.12" x 1.66" x 1.66"
Weight	18 oz
Operating Temperature	- 40 to +60 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, 500 mA max

**Other Frequency and Gain 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)