



# BDC C-BAND 3000 SERIES

## SPECIFICATIONS

<b>Noise Figure</b>	10 dB max. at room temp.
<b>L.O. Stability</b>	± 25 kHz max.
<b>Phase Noise (SSB) max.</b>	-73 dBc/Hz at 1 kHz -83 dBc/Hz at 10 kHz -93 dBc/Hz at 100 kHz
<b>Input VSWR</b>	2.0 : 1 max.
<b>Output VSWR</b>	2.0 : 1 max.
<b>Gain</b>	40 dB typ., 38 dB min., 42 dB max.
<b>Gain Flatness (over full band)</b>	≤ 4 dB p-p
<b>Output P1dB</b>	+ 5 dBm min.



<b>DC Power</b>	<b>Via</b>	+ 12V to + 24V DC Feed-Through and Output Connector Output Connector Feed-Through
<b>Current</b>		300 mA max.
<b>Input (waterproof)</b>		SMA-Connector (50 Ohm)
<b>Output (waterproof)</b>		F-Connector (75 Ohm) N-Connector (50 Ohm) SMA-Connector (50 Ohm)
<b>Dimensions (L x W x H)</b>		129 mm x 94 mm x 46 mm (5.07 in x 3.70 in x 1.81 in)
<b>Weight</b>		700 g (24.70 oz)
<b>Operating Temperature</b>		- 40 to + 60°C
<b>Storage Temperature</b>		- 40 to + 80°C

## FREQUENCY BANDS

<b>Frequency Band (GHz)</b>	3.40 - 4.20
<b>L.O. Frequency (GHz)</b>	5.15
<b>IF Frequency (MHz)</b>	950 - 1750

## HOW TO ORDER

# BDC-3000ND

**D** - DC Power through Feed-Through and Output Connector  
**C** - DC Power through Output Connector  
**P** - DC Power through Feed-Through

**CONNECTOR** **F** - 75 Ohm  
**N** - 50 Ohm  
**S** - SMA 50 Ohm

**BDC SERIES #**

## MECHANICAL DIAGRAM

