



# BDC KA-BAND EXT REF 9000X SERIES

## SPECIFICATIONS

<b>Noise Figure</b>	18 dB max. at room temp.
<b>L.O. Stability</b>	Phase Locked to External Reference
<b>Phase Noise (SSB) max.</b>	Depends on External Reference
<b>Input VSWR</b>	2.2 : 1 max.
<b>Output VSWR</b>	2.0 : 1 max.
<b>Gain</b>	25 dB typ.
<b>Gain Flatness (over full band)</b>	≤ 4 dB p-p
<b>Output P1dB</b>	+ 5 dBm min.



<b>DC Power</b>	+ 15V to + 24V DC
<b>Current</b>	350 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>	109 mm x 78 mm x 40 mm (4.30 in x 3.07 in x 1.57 in)
<b>Weight</b>	350 g (12.34 oz)
<b>Operating Temperature</b>	- 40 to + 60°C
<b>Storage Temperature</b>	- 40 to + 80°C
<b>External Ref Freq</b>	10 MHz (sine-wave), -10 to 0 dBm

## FREQUENCY BANDS

	9000XA	9000XB	9000XC	9000XD
<b>Frequency Band (GHz)</b>	18.20 - 19.20	19.20 - 20.20	20.20 - 21.20	21.20 - 22.20
<b>L.O. Frequency (GHz)</b>	17.75	18.25	19.25	20.25
<b>IF Frequency (MHz)</b>	950 - 1950	950 - 1950	950 - 1950	950 - 1950

## HOW TO ORDER

### BDC-9000XBN

<b>CONNECTOR</b>	F - 75 Ohm N - 50 Ohm S - SMA 50 Ohm
<b>FREQUENCY</b>	A - 18.2 to 19.2 GHz B - 19.2 to 20.2 GHz C - 20.2 to 21.2 GHz * D - 21.2 to 22.2 GHz
<b>EXTERNAL REFERENCE</b>	
<b>BDC SERIES #</b>	

## MECHANICAL DIAGRAM

