



BDC KA-BAND 9000 SERIES

SPECIFICATIONS

Noise Figure	18 dB max. at room temp.
L.O. Stability	± 50 kHz max.
Phase Noise (SSB) max.	-70 dBc/Hz at 1 kHz -80 dBc/Hz at 10 kHz -95 dBc/Hz at 100 kHz
Input VSWR	2.2 : 1 max.
Output VSWR	2.2 : 1 max.
Gain	25 dB typ., 22 dB min., 28 dB max.
Gain Flatness (over full band)	≤ 4 dB p-p
Output P1dB	+ 5 dBm min.



DC Power	+ 15V to + 24V DC
Via	Feed-Through and Output Connector Output Connector Feed-Through
Current	350 mA max.
Input (waterproof)	SMA-Connector (50 Ohm)
Output (waterproof)	F-Connector (75 Ohm) N-Connector (50 Ohm) SMA-Connector (50 Ohm)
Dimensions (L x W x H)	90 mm x 78 mm x 44 mm (3.54 in x 3.07 in x 1.73 in)
Weight	400 g (14.11 oz)
Operating Temperature	- 40 to + 60°C
Storage Temperature	- 40 to + 80°C
Protection Grade	IP67

FREQUENCY BANDS

	9000A	9000B	9000C	9000D
Frequency Band (GHz)	18.20 - 19.20	19.20 - 20.20	20.20 - 21.20	21.20 - 22.20
L.O. Frequency (GHz)	17.75	18.25	19.25	20.25
IF Frequency (MHz)	950 - 1950	950 - 1950	950 - 1950	950 - 1950

HOW TO ORDER

BDC-9000AND

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

FREQUENCY 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

BDC SERIES #

MECHANICAL DIAGRAM

