



BDC KA-BAND 9000 SERIES

SPECIFICATIONS

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| 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. |



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|-------------------------------|--|
| 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

| | |
|--|--|
| <p>D - DC Power through Feed-Through and Output Connector</p> <p>C - DC Power through Output Connector</p> <p>P - DC Power through Feed-Through</p> | <p>CONNECTOR F - 75 Ohm N - 50 Ohm S - SMA 50 Ohm</p> |
| <p>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</p> | <p>BDC SERIES #</p> |

MECHANICAL DIAGRAM

