

Intelligent Satellite Solutions



BDC KU-BAND 1000 SERIES

TYPICAL SPECIFICATIONS

 Noise figure
 10 dB

 L.O. stability
 ±30 kHz

(over temperature excl offset)

 Phase noise
 -70 dBc/Hz at 1 kHz

 (SSB)
 -85 dBc/Hz at 10 kHz

 -100 dBc/Hz at 100 kHz

 Input VSWR
 1.9 : 1

 Output VSWR
 2.0 :1



Conversion gain

Gain stability over temperature

Output P1dB

Power requirements

Current drain

Dimensions 107 (L) x 78 (W) x 44 (H) mm

(4.2 x 3.1 x 1.7 in)

±2.5 dB at any constant frequency

20 dB

6 dBm

260 mA

+15 to +24 V

Weight

950 to 2000

Temperature Range

300 g / 10.6 oz -40°C to +60°C

FREQUENCY BANDS AVAILABLE

Typical service 1000A 1000B 1000C Input frequency (GHz) 11.70 to 12.20 12.25 to 12.75 10.95 to 11.70 L.O. frequency (GHz) 10.75 11.30 10.00 Output frequency (MHz) 950 to 1450 950 to 1700 950 to 1450

1000AE 1000GE 11.70 to 12.75 10.70 to 11.70 10.75 9.75

HOW TO ORDER

MECHANICAL DIAGRAM

950 to 1950

BDC-1000AND

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

D. DC Power through Good Through

P - DC Power through Feed-Through

OUTPUT CONNECTOR F - F Connector N - N Connector

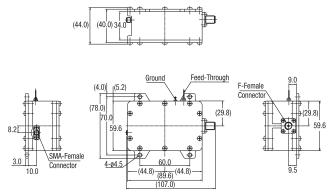
S - SMA Connector

FREQUENCY A - 11.70 - 12.20 GHz

B - 12.25 - 12.75 GHz C - 10.95 - 11.70 GHz

AE - 11.70 to 12.75 GHz GE - 10.70 to 11.70 GHz

BLOCK DOWNCONVERTER (Input Connector SMA)





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