



BDC

C-BAND

BDC-100035

SPECIFICATIONS

Noise Figure	10 dB max.	Ext. ref. Input	10 MHz, -5 to 5 dB via output connector
L.O Stability	Internal type: ± 25 KHz max. External type: depends on ext. ref.	DC Power	+ 12V to + 24V DC via output connector
Phase Noise (SSB) max.	-73 dBc/Hz at 1 KHz -83 dBc/Hz at 10 KHz -93 dBc/Hz at 100 KHz	Current	300 mA max.
Input VSWR	2.2: 1 max.	Input (waterproof)	SMA female
Output VSWR	2.2: 1 max.	Output (waterproof)	N-Connector (50 Ohm)
Gain	40 dB typ., 37 dB min., 43 dB max.	Dimensions (L x W x H) (excludes connector)	108 mm x 94 mm x 46 mm
Gain Flatness (over full band)	≤ 4 dB p-p max.	Weight	620 g
Output P1dB	+ 5 dBm min.	Operating Temperature	- 40 to + 60°C

FREQUENCY BAND

Frequency Band (GHz)	4 – 4.94
L.O. Frequency (GHz)	3.95
IF Frequency (MHz)	450 – 990

MECHANICAL DIAGRAM

