

BDC

Block Downconverter



> Applications

- Pairs with UHF Receivers
- Indoor/Outdoor Use
- Fixed, Permanent Operation
- Mast Mounts
- Tripod, Portable Operation

> Features

- Compact Size
- Easy Mounting
- Waterproof to IP68
- Models from 1.3 to 6.525 GHz
- IP3 35dBm
- Status LED
- Other Bands Available (Contact Factory)

Ordering Information

MODEL	FREQUENCY	LOCAL OSCILLATOR
BDC-14H	1300-1500 MHz	2000 MHz
BDC-20H	2000-2100 MHz	2800 MHz
BDC-23H	2200-2400 MHz	2800 MHz
BDC-24H	2300-2500 MHz	2800 MHz
BDC-24L	2300-2500 MHz	1833 MHz
BDC-225H	2000-2500 MHz	2800 MHz
BDC-225L	2000-2500 MHz	1833 MHz
BDC-335L	3100-3600 MHz	2900 MHz
BDC-47L	4400-5000 MHz	4200 MHz
BDC-47H	4400-5000 MHz	5250 MHz
BDC-57L	5725-5875 MHz	5200 MHz
BDC-64L	6425-6525 MHz	6000 MHz

Technical Characteristics

Frequency input	1.3-6.525 GHz (in bands) See ordering information
Input Level	-20 to -99dBm operating Up to +10dBm no damage
Frequency output	167 to 850 MHz
Local Oscillator	See ordering info
OI3P	>/= 35 dB
LO Frequency Stability	+/- 2.5 ppm over temperature
Phase Noise	-90dBc/Hz @10kHz offset
Signal Gain	Adjustable 0 to +35dB
Noise Figure	2.5 dB
RF Input Connector	N(f) 50 ohm
IF Output Connector	BNC(f) (VDC bias input) 75 ohm
Power Input	+9 to 28 VDC (via IF output)
Consumption	4W max.
Temperature	- 30 to + 70°C (-22 to 158°F)
Relative Humidity	5 to 95 % non-condensing
Dimensions (W x D x H)	16.5 x 7.22 x 3.56 cm (6.50" x 2.84" x 1.40") without bracket or connectors
Weight	0.64 kg (1.40 lbs) without bracket
Status LED on bottom	GREEN - Normal RED - Fault
Mounting	Includes bracket clamps for up to 2.5" O.D. pole