



SPECIFICATIONS

BIDIRECTIONAL AMPLIFIER ESMR BAND

BDA85S-1B3LC



Repeater Specifications

Compact Repeater

Model : BDA85S-1B3LC

The BDA85S-1B3LC is a repeater designed for high power applications. With an excellent cost benefit ratio this repeater brings unbeatable performance filtering and signal quality.

Physical dimensions:

MECHANICAL SPECIFICATIONS	
RF Connectors	N female
Cabinet type	FIPLEX B1
Dimensions (height x width x length.), mm	535 x 595 x 256 (mm)
Cabinet	Closed cabinet, with screws
Mounting	Six holes for wall mount.

Power supply :

AC Power supply: 110 - 220 Vac 50-60Hz @ 2.5A

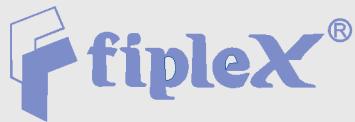
UPS Fiplex: UPS - 500L / T-01 (optional)

Recommended Battery for UPS: BOSCH SILVER 100BSE 12Vdc@100Ah.

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Repeater Specifications

Compact Repeater

ELECTRIC SPECIFICATIONS	
Type:	Compact Repeater
Frequency Band	ESMR
Band pass frequencies, in MHz(*)	
Uplink	806 – 824 MHz
Downlink	851 – 869 MHz
Band Width	18 MHz
Number of adjustable filters	NO
Gain, without attenuation, Typ.	
Uplink	80 dB
Downlink	80 dB
Gain Ripple	+/- 1.5dB max
Manual attenuation range.	Yes, 25dB in 1dB steps UL and DL independent.
AGC range.	Yes, 20dB range UL y DL independent.
Overload protection	Yes
Maximum output power	
Uplink	+27 dBm
Downlink	+37 dBm
Maximum input power	
Uplink	-10 dBm
Downlink	-10 dBm
OIP3	
Uplink	> 45 dBm
Downlink	> 57 dBm
Noise Figure	<6dB
Return Loss (both ports)	1.4: 1 max (15dB min)
Group delay (worst case)	1uS max.
Nominal Impedance (all ports)	50 Ω
Temperature Range, (°C)	-30 a +60 °C
Local Alarms	Yes – Light indicators
Local Connectivity	(Optional)– RS232 <i>BDA Local Management Software</i>
Remote Connectivity	(Optional) MODEM wireless FIPLEX BDA Local Management Software
MTBF	50.000 hours min
Cabinet type	IP65

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