



SPECIFICATIONS

BIDIRECTIONAL AMPLIFIER ESMR BAND

CBDAS-1A1S



Compact Repeater

Model : CBDAS-1A1S

The CBDAS-1A1S is a repeater designed for medium power applications. With an excellent cost benefit ratio this repeater brings unbeatable performance filtering and signal quality.

Physical dimensions:

MECHANICAL SPECIFICATIONS	
RF Connectors	SMA female
Cabinet type	FIPLEX A1
Dimensions (height x width x length.), mm	210 x 190 x 35 (mm)
Cabinet	Indoor cabinet
Mounting	Four holes for wall mount.

Power supply :

Power supply: Input 110 - 220 Vac 50-60Hz - Output 5Vdc 3A.

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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	65 dB
Downlink	65 dB
Gain Ripple	+/- 3.5dB max
Manual attenuation range.	Yes, 18dB in 3dB steps UL and DL independent.
AGC range.	Yes, 20dB range UL y DL independent.
Overload protection	Yes
Maximum output power	
Uplink	+20 dBm
Downlink	+20 dBm
Maximum input power	
Uplink	0 dBm
Downlink	0 dBm
OIP3	
Uplink	> 33 dBm
Downlink	> 33 dBm
Noise Figure	<6dB
Return Loss (both ports)	1.5: 1 max (15dB min)
Group delay (worst case)	6uS max.
Nominal Impedance (all ports)	50 Ω
Temperature Range, (°C)	-30 a +60 °C
Local Alarms	Yes – Light indicators
Local Connectivity	Yes– USB Port <i>BDA Local Management Software</i>
Remote Connectivity	No
MTBF	50.000 hours min
Cabinet type	IP20

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