

## CR1800 Series DCS1800 Channel Selective Repeater

This high gain and high power frequency band selective repeater is designed for GSM1800 system. Channel selection is suitable in carrier congested urban application. SAW filter and Feed Forward technologies are used. Performance is low Noise, low Spurious, high Linearity, low Interference and high Reliability.

Built-in RS232 control port enables convenience field adjustment of repeater output power, gain and operation bandwidth. Optional remote control and monitoring system. (Via fixed line or wireless modem)

Packed in IP55 case. Optional outdoor IP66 version.



Part No.	CR1800-36A-80CH CR1800-36A-80CHWP	CR1800-39A-80CH CR1800-39A-80CHWP
Frequency Range	UL: 1710~1785MHz DL: 1805~1880MHz	UL: 1710~1785MHz DL: 1805~1880MHz
Channel bandwidth	200KHz	200KHz
Channel Number	2~6 (optional)	2~6 (optional)
Gain	60~85dB	60~85dB
Gain (Out Band)	± 400KHz: ≤ 50dB ± 600KHz: ≤ 40dB ± 1MHz: ≤ 35dB ± 5MHz: ≤ 25dB	± 400KHz: ≤ 50dB ± 600KHz: ≤ 40dB ± 1MHz: ≤ 35dB ± 5MHz: ≤ 25dB
Noise Figure	UL: ≤ 4.8dB DL: ≤ 4.8dB	UL: ≤ 4.8dB DL: ≤ 4.8dB
Monitoring Port	- 30dB	- 30dB
3-rd Interception Point (UL)	46dBm	46dBm
3-rd Interception Point (DL)	46dBm	49dBm
Max Input Power (UL)	36dBm	36dBm
Max Output Power (DL)	36dBm	39dBm
Spurious	- 36dBm (9KHz~1GHz) - 30dBm (1~12.75GHz)	- 36dBm (9KHz~1GHz) - 30dBm (1~12.75GHz)
Time Delay	5μs	5μs
VSWR	≤ 1.5:1	≤ 1.5:1
Connector	N-F	N-F
Water Proof Grade	IP55 IP66 for WP version	IP55 IP66 for WP version
Power Supply	220V AC	220V AC
Operating Temperature	- 30~60°C	- 30~60°C
Dimensions	500 X 490 X 250mm	500 X 490 X 250mm
Weight	690 X 450 X 148mm WP 18kg 25Kg WP	690 X 450 X 148mm WP 18kg 25Kg WP

Eyecom company policy is one of continuing improvement, therefore we reserve the right to change this specification without notice