

## CR800 Series Channel Selective Repeater

This high gain and high power frequency channel selective repeater is designed for IS-95A CDMA 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 channel number. Optional remote control and monitoring system. (Via fixed line or wireless modem)

Packed in IP55 case. Optional outdoor IP66 version.



GSM900, CDMA and GSM1800(DCS1800) Repeater

Part No.	CR800-36A-100CH-3 CR800-36A-100CH-3WP	
Frequency Range	UL: 825~835MHz	DL: 870~880MHz
Gain	UL: 60~90dB	DL: 65~95dB
Gain Adjustment Precision	2~20dB: $\pm 1.0$ dB	22~30dB: $\pm 1.5$ dB
Noise Figure	$\leq 4.5$ dB	
Max. Output Power	UL: 33dBm	DL: 36dBm
Pass Band Ripple	$\leq 3$ dB	
Carrier Number	1, 2 or 3 (optional)	
Bandwidth	1.23MHz	
Spurious	in band: $\leq -60$ dBc (fo $\pm 1.98$ MHz, RBW 30KHz) $\leq -45$ dBc (fo $\pm 750$ KHz, RBW 30KHz) out band: $\leq -36$ dBm (9KHz~1GHz) $\leq -30$ dBm (1~12.75GHz) $\leq -67$ dBm (890~915MHz)	
Waveform Coefficient	UL: $\rho > 0.912$	DL: $\rho > 0.944$
Frequency Error	$\leq \pm 0.05$ ppm	
Time Delay	$\leq 5\mu$ s	
Impedance	50 $\Omega$	
VSWR	$\leq 1.5:1$	
Connector	N-F	
Control Mode	keyped & RS232 remote control (optional)	
Operating Temperature	-30~60 $^{\circ}$ C	
Water Proof Grade	IP55 IP66 for WP version	
Power Supply	220V AC	
Dimensions	500 X 430 X 250mm	
	820x490x367mm WP	
Weight	40kg 54.5kg WP	

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