

CR900 Series GSM Channel Selective Repeater

This high gain and high power frequency channel selective repeater is designed for GSM900 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 channel number. Optional remote control and monitoring system. (Via fixed line or wireless modem)

Packed in IP55 case. Optional outdoor IP66 version.



Part No.	CR900-36A-90CH CR900-36A-90CHWP	CR900-39A-90CH CR900-39A-90CHWP
Frequency Range	UL: 890~915MHz DL: 935~960MHz	UL: 890~915MHz DL: 935~960MHz
Channel Width	200KHz	200KHz
Channel Number	2~6 (optional)	2~6 (optional)
Gain	60~90dB	60~90dB
Gain (Out Band)	± 400KHz: ≤ 50dB ± 600KHz: ≤ 40dB ± 1MHz: ≤ 35dB ± 5MHz: ≤ 25dB	± 400KHz: ≤ 50dB ± 600KHz: ≤ 40dB ± 1MHz: ≤ 35dB ± 5MHz: ≤ 25dB
Noise Figure	≤ 4.5dB	≤ 4.5dB
Monitoring Port	- 30 dB	- 30 dB
3-rd Interception Point (UL)	55dBm	55dBm
3-rd Interception Point (DL)	55dBm	57dBm
Max Output Power	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 200mm 820 X 490 X 367mm WP	500 X 490 X 200mm 820 X 490 X 367mm WP
Weight	18kg	18kg

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