

CR900 Series GSM Band Selective Repeater

This low power frequency band selective small repeater is designed for GSM900 system. Band selection is suitable for sector coverage extension in rural 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.	CR900-27A-70BW
Frequency Range	UL: 909~915MHz DL: 954~960MHz
Gain	UL: 70± 3dB DL: 75±3dB
Pass Band Ripple	≤ 2dB
Gain Adjustment Range	≥ 40dB
Gain Adjustment Step	2dB
Gain Adjustment Precision	0~20dB ≤ ± 1dB 21~30dB ≤ ± 1.5dB
Frequency Error	in band: ≤ ± 0.05ppm
Output Power (ALC Trip Point)	UL: 17 ± 1dBm DL: 27±1dBm
Out Band Rejection @ 1MHz from Pass Band Edges	≥ 55dB(DL)
Monitoring Port	- 30dB
3-rd IMP	UL: - 44dBc DL: - 47dBc
Spurious Emissions	≤ -36dBm@9KHz~1GHz ≤ -30dBm@1~12.75GHz
3-rd Interception Point	UL: ≥ -46dBm DL: ≥ -36dBm
Noise Figure(Gain Max.)	≤ 4.dB

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Part No.	CR900-27A-70BW
Time Delay	≤ 5μs
VSWR	≤ 1.4 : 1
Impedance	50 Ω
Connector	N-F
Operating Temperature - 30~60°C	-30~60
Water Proof Grade	IP55
	IP66 for WP version
Power Supply	220V AC
Dimensions	400X250X60mm
Weight	13kg
Power Consumption	60 Watt

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GSM900, CDMA and GSM1800(DCS1800) Repeater