

# 4 x Channel Selective Repeater for GSM 1800

## General Information

▶ **Model GZF-1800-4CS33**



CCI's Channel Selective 1800MHz Repeater is designed for indoor or outdoor applications, and provides repeater capability for 4 GSM channels settable to suit the operator needs. With low power consumption, compact size, unit is easy for installation and maintenance.

With 33dBm total power, the unit has high gain and low noise figure to maintain good quality communication.

The Repeater is ideal for use in large inbuilding situations such as tunnels, shopping malls, carpark, and in outdoor applications for extending rural coverage.

Unit is contained in Aluminium Alloy casing for outdoor use, and is convection cooled (without fans). With inbuilt AGC and ALC the unit is self setting on installation.

Repeater is monitored and controlled via modem for SMS, GPRS, and TCP/IP

Description	Typical Specifications
<b>Specifications</b>	
Frequency of Operation:	Uplink: 1710-1785 MHz Downlink: 1805-1880 MHz
Bandwidth:	4 x 200kHz channels settable in band
Maximum Gain:	90dB +/- 3dB
Attenuation Adjustment Range:	30dB in 1 dB steps
Gain Ripple:	Better than 1.5dB
Output Power:	Uplink 25dBm +/- 2dB composite Downlink: 33 dBm +/-2dB composite
VSWR	Better than 1.5 : 1
Noise Figure	4dB
<b>Mechanical Specifications</b>	
Connectors	2 x N-type
Size	510 x 415 x 191 mm
Weight	25 kg
Temperature Range	-25 deg C to + 55 deg C
Power supply	AC (220V +/- 15%) 50Hz
Monitoring	Remote via GSM Modem, GPRS and Local RS 232
Maintenance	10/100 Base T Ethernet or RS232

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