

# Band Selective Repeater for GSM 1800

## General Information

▶ **Model GZF-1800-B33**



CCI's Band Selective GSM 1800MHz Repeater is designed for indoor or outdoor applications, complete with bandwidth set to suit the operator needs, there is high out of band rejection so as not to repeat non-desired parts of the spectrum. Optional Interference Cancellation function to prevent self-oscillation, improving gain and coverage range and reducing isolation between antennas.

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:	Settable in band 0.2—25 MHz
Maximum Gain:	Uplink: 85dB Downlink: 92dB
Gain Adjustment Range:	31dB in 1 dB steps
Automatic Gain Control Range:	40dB
Gain Ripple:	Better than 1.5dB
Output Power:	Uplink 25 dBm Downlink: 33 dBm total
VSWR	Better than 1.5 : 1
Noise Figure	4dB
<b>Mechanical Specifications</b>	
Size	350 x 355 x 164 mm
Weight	25 kg
Temperature Range	-25 deg C to + 55 deg C
Power supply	AC (220V +/- 15%) 50Hz
Monitoring	Local RS 232 or Remote via GSM Modem, GPRS