



Low Power Band Selective Repeater for GSM 1800

General Information

▶ **Model GZF-1800-B23**

CCI's Low Power 1800MHz Repeater is designed for indoor applications, and provides repeater capability which is band settable to suit the operator needs. With low power consumption, compact size, unit is easy for installation and maintenance.

The Pico Repeater uses advanced filtering techniques and multi-level filtering to eliminate uplink and downlink crosstalk. Integrated circuit design also helps with compact size. Unit can be set to have band width between 0.2MHz—25MHz

With 23dBm power, the unit has high gain and low noise figure to maintain good quality communication.

The Repeater is ideal for use in small inbuilding situations such as shops and offices.

Unit is contained in compact casing for easy wall or pole mounting, and is low power consumption. convection cooled. With inbuilt AGC and ALC the unit is self setting on installation.

Repeater is monitored and controlled via modem for SMS, GPRS and RS232.

Description	Typical Specifications
Specifications	
Frequency of Operation:	Uplink: 1710-1785MHz Downlink: 1805-1880 MHz
Bandwidth:	0.2—25 MHz Band adjustable
Maximum Gain:	75dB +/- 3dB
Attenuation Adjustment Range:	30dB in 1 dB steps
Gain Ripple:	Better than 3dB
Output Power:	Uplink 20dBm +/- 2dB total Downlink: 23dBm +/-2dB total
VSWR	Better than 1.5 : 1
Noise Figure	7dB
Mechanical Specifications	
Connectors	2 x N-type
Size	315 x 192 x 41 mm
Weight	2.5 kg
Temperature Range	0 deg C to + 55 deg C
Power supply	AC (90- 260V) 50Hz
Monitoring (optional)	Remote via GSM Modem, GPRS and Local RS 232

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