

1800 MHz GSM BANDSELECTIVE MACRO-REPEATER

- **2 W OUTPUT POWER**
- **HIGH SENSITIVITY**
- **HIGH DYNAMIC RANGE**
- **COMPACT SIZE**
- **REMOTE CONTROL AND SMS**

This repeater is intended for use in 1800 MHz outdoor GSM systems. It is a compact and reliable unit and it is especially advantageous to use it in villages, or open fields where the field strength is weak. It is a cost effective solution to cover areas, which cannot be covered economically with base stations. It is a very economical solution, can be installed easily. The installation setup and monitoring functions can be made locally through an RS-232 port.

Electrical characteristics:

Frequency Band Uplink	1710 – 1785 MHz
Frequency Band Downlink	1805 – 1880 MHz
Frequency Bandwidth (Up/Downlink)	6 – 25 MHz (*)
Mode of Operation	band selective duplex
Max. ALC level	2 W (+ 33 dBm)
Linear Output Power Downlink / Uplink	+ 27 dBm typ., min.+ 26 dBm @ < - 30 dBm IM products
ICP3 Downlink / Uplink	+ 51dBm typ., min. + 50 dBm
Nominal Gain	75 dB
Gain Ripple	± 2 dB typical ± 3 dB max.
Gain Setting	75 to 45 dB in 1 dB steps
Input Noise Figure	< 5 dB
Harmonics	According to the ETSI regulation < - 30 dBm
Spurious Radiation	According to the ETSI regulation < - 30 dBm
Local Leakage	According to the ETSI regulation < - 30 dBm
RF Connectors	N – female
Supply Voltage	230V / 50 – 60 Hz AC
Power Consumption	~ 100 VA
Weight	22 kg
Operating temperature range	- 20 to + 55 °C
Application	Outdoor

(*) Centre frequency and bandwidth can be specified in the whole GSM band.

Specifications are subject to change without notice.

Outline dimensions (mm):

