

## 900 MHz GSM BAND-SELECTIVE MACRO-REPEATER

- **2 W OUTPUT POWER**
- **HIGH SENSITIVITY**
- **HIGH DYNAMIC RANGE**
- **SMALL SIZE**

This repeater is intended for use in 900 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 and optional can be monitored and set by remote control software.

### Electrical characteristics:

Frequency Band Uplink	890 – 915 MHz
Frequency Band Downlink	935 – 960 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	+ 25 / + 22 dBm @ < - 36 dBm IM products
ICP3 Downlink / Uplink	> + 51 / + 48 dBm
Nominal Gain	90 dB (**)
Gain Ripple	± 1 dB typical ± 3 dB max.
Gain Setting	90 to 60 dB in 1 dB steps (***)
Input Noise Figure	< 4 dB typ.
Harmonics	According to the ETSI regulation < - 36 dBm
Spurious Radiation	According to the ETSI regulation < - 36 dBm
Local Leakage	According to the ETSI regulation < - 36 dBm
RF Connectors	N – female
Supply Voltage	230V / 50 – 60 Hz AC
Power Consumption	~ 100 VA
Weight	18 kg
Operating temperature range	- 20 to + 55 °C
RS232 control / Remote control	yes / optional
Application	Outdoor

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

(\*\*) Gain = 80 dB at customer request.

(\*\*\*) Gain Setting = 80 to 50 dB in 1 dB steps at customer request.

Specifications are subject to change without notice.

### Outline dimensions (mm):

