

900 MHz GSM BANDSELECTIVE MINI-REPEATER

- **HIGH SENSITIVITY**
- **HIGH DYNAMIC RANGE**
- **COMPACT SIZE**

This mini-repeater is intended for use in 900 MHz GSM mobile systems. It is especially advantageous, where the field strength is weak, or at other shaded areas like in large concrete buildings, tunnels, small valleys, etc. It is a cost effective solution to cover areas, which cannot be covered economically by large base stations. By using this repeater, the GSM operator is able to respond quickly and economically to the customers ever changing needs. Parameters and monitor voltages can be accessed by RS232 interface and optionally through the built-in remote control modem with SMS functions.

Electrical characteristics:

Frequency Band Uplink	890 – 915 MHz
Frequency Band Downlink	935 – 960 MHz
Frequency Bandwidth (Up/Downlink)	up to 25 MHz (*)
Mode of Operation	band selective duplex
Nominal Gain	70 dB
Gain Setting	70 to 40 dB in 1 dB steps
Max. ALC Level	27 dBm
Linear Output Power (Downlink / Uplink)	+ 22 dBm / + 20 dBm @ meets with ETSI regulation
ICP3	> + 46 dBm typ. +44 dBm min.
Input Noise Figure	4 dB typ.
I/O Return Loss	≤ - 14 dB
RF Connectors	N – female
RS 232 Control / GSM Remote Control / SMS	yes / optional / optional
Supply Voltage	230 V / 50 Hz AC
Power Consumption	approx. 80 VA
Weight	approx. 11 kg
Operating temperature range	- 20 to + 55 °C
Outline	watertight compact AL housing

(*) Centre frequency and bandwidth can be specified in the whole GSM band.
Specifications are subject to change without notice.

Outline dimensions (mm):

