

900 MHz GSM BANDSELECTIVE PICO-REPEATER

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

This pico-repeater is intended for use in 900 MHz indoor GSM systems. It is a very compact and lightweight unit and it is especially advantageous to use it inside the buildings, rooms, tunnels where the field strength is weak. It is a cost effective solution to cover areas, which cannot be covered economically with base stations. It can be installed easily. Status information such as overload, over-temperature, supply voltage failure, PLL unlock is indicated by red and green LED-s.

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
Linear Output Power	+ 13 dBm @ < - 36 dBm IM products
ICP3	+36 dBm typical + 33 dBm min.
Nominal Gain	60 dB
Gain Ripple	± 2 dB typical ± 3 dB max.
Gain Setting	60 to 30 dB in 2 dB steps or adaptive
Input Noise Figure	6 dB typical
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	with external 230V AC/DC power supply
Power Consumption	10 VA
Weight	0.8 kg
Operating temperature range	0 ... + 40 °C optional -10 + 50 °C
Application	Indoor

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

Specifications are subject to change without notice.

Outline dimensions (mm):

