



**900 MHz GSM BANDSELECTIVE
HIGH POWER PICO-REPEATER**

- **HIGH POWER**
- **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 Downlink	935 – 960 MHz
Frequency Band Uplink	890 – 915 MHz
Frequency Bandwidth (Down/Uplink) (*)	5 - 25 MHz
Mode of Operation	band selective duplex
Linear Output Power	Downlink: + 18 dBm @ < - 36 dBm IM products Uplink: + 16 dBm @ < - 36 dBm IM products
ICP3	+41 dBm typical
Maximum Output Power (**)	Downlink: 24dBm Uplink: 22 dBm
Nominal Gain	70 dB
Gain Ripple	± 1.5 dB typical
Gain Setting	70 to 40 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 W
Weight	1.2 kg
Operating temperature range	0 ... + 55 °C optional -10 + 55 °C
Application	Indoor

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

(**) Adjustable ALC level.

Specifications are subject to change without notice.



BRPS21

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Outline dimensions (mm):

