



**400 MHz TETRA BANDSELECTIVE
PICO-REPEATER**

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

This pico-repeater is intended for use in 400 MHz indoor TETRA systems. It is a compact and reliable unit and especially advantageous to use it in buildings, or open fields where the field strength is weak. The solution can be effectively used to cover areas, which cannot be covered economically with base stations. Optional adaptive gain can be supplied. This very economical solution can be installed easily, and can be set locally or remotely by the bundled remote control software, which also provides monitoring capabilities.

Electrical characteristics:

Frequency Band Uplink *	380– 385 MHz**
Frequency Band Downlink *	390 – 395 MHz**
Frequency Bandwidth (Downlink/Uplink) *	5 MHz
Mode of Operation	band selective duplex
Linear Output Power (Downlink/Uplink)	+ 15 dBm typ. @ downlink + 15 dBm typ. @ uplink
ICP3	+36 dBm typ.
Maximum Output Power ALC	Downlink: 21 dBm Uplink: 21 dBm
Nominal Gain	70 dB
Gain Setting	70 to 40 dB in 1 dB steps
Input Noise Figure	< 4 dB typ
EVM	< 1 % typ.(ETSI regulation < 10 %)
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	~ 15 W
Weight	1.2 kg
Operating temperature range	0°C to + 45°C optional -10°C + 50°C
Application	Indoor or limited outdoor (IP52)
Dimension	266 x 168 x 36 mm

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

Optional outdoor version and remote control is available.

Specifications are subject to change without notice.

(**) Other TETRA band available



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Outline dimensions (mm):

