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**400 MHz TETRA BANDSELECTIVE  
HIGH POWER PICO REPEATER**

- **HIGH SENSITIVITY**
- **HIGH DYNAMIC RANGE**
- **REMOTE CONTROL**
- **COMPACT SIZE**
- **OPTIONAL UPLINK MUTING**

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. 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. In order to reduce noise impact on base transceiver side uplink muting function is available upon customer's request

**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)	+ 18 dBm typ. @ downlink + 18 dBm typ. @ uplink
ICP3	+41 dBm typ.
Nominal Gain	70 dB
Gain Setting	70 to 40 dB in 1 dB steps
Input Noise Figure	< 4 dB typ @ max gain
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
Local Control Interface	RS-232
Remote Control Interface	GSM modem / 3G modem optional
Uplink Muting Option	Available upon request
Operating temperature range	0°C to + 45°C
Application	Indoor or limited outdoor (IP52)
Dimension	266 x 168 x 36 mm

(\*Other standard TETRA bands (BW: 5 MHz, 10 MHz duplex distance) are available  
Specifications are subject to change without notice.



**BRTS27**

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**Outline drawing:**

