



400 MHz TETRA BANDSELECTIVE REPEATER

- **HIGH SENSITIVITY**
- **HIGH DYNAMIC RANGE**
- **COMPACT SIZE**
- **RC & SUM ALARM**

This repeater is intended for use in 400 MHz outdoor TETRA systems. It is a compact and reliable unit and it is especially advantageous to use it in villages, or open fields where the field strength is weak. It is a cost effective solution to cover areas, which cannot be covered economically with base stations. It is a very economical solution, can be installed easily, can be monitored and set by remote control software and sum-alarm.

Electrical characteristics:

Frequency Band Downlink	390 – 395 MHz**
Frequency Band Uplink	380 – 385 MHz**
Frequency Bandwidth	5 MHz
Mode of Operation	band selective duplex
Max. ALC level	30 dBm
Linear Output Power Downlink / Uplink	+ 22 or 2x19dBm (2 carriers) @ meets with ETSI
ICP3	+ 48 dBm
Nominal Gain	70 dB
Gain Setting	70 to 40 dB in 1 dB steps
Input Noise Figure	< 4 dB
EVM	1 % typ. (ETSI regulation < 10%)
Harmonics	According to the ETSI regulation
Spurious Radiation	According to the ETSI regulation
Local Leakage	According to the ETSI regulation
RF Connectors	N – female
Supply Voltage	230V / 50 – 60 Hz AC
Power Consumption	60 W
Weight	10 kg
Operating temperature range	0°C to 45° (optional – 20°C to + 55 °C)
Cooling	Convection
Wired control	Local RS232 + sum-alarm (dry contact)***
Remote Wireless Control	Dial Up GSM modem and/or automatis SMS function
Application	Indoor (or optional outdoor)
Dimension	326 x 275 x 122

Specifications are subject to change without notice.

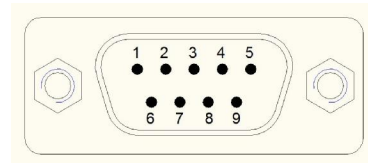
(**) Other TETRA band available

(***) Sum-alarm sets open contact between RS232 pin 4 and 7 in case of failure as follows:

Status	DSUB-M PIN 4 and 7
Overheating	Open
PLL lock error	Open
RF overdrive*	Open
DL power alarm	Open
Chassis intrusion	Open
Switched off	Open

ANY OTHER CASE: CLOSED CONTACT BETWEEN PIN 4 AND 7

*after 30 minutes of continuous RF overdrive status





BRTM14

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Outline dimensions (mm):

