

**400 MHz TETRA  
DIGITAL LARGE REPEATER**

- **4 W RF OUTPUT POWER**
- **DIGITAL FILTER TECHNOLOGY (SDR)**
- **FLEXIBLE FILTER SELECTION**
- **FREQUENCY SHIFT FUNCTION**
- **HIGH DYNAMIC RANGE**
- **LOW POWER CONSUMPTION**

This repeater is intended for use in 400 MHz out- and indoor TETRA systems. Based on the latest digital filter technology this model offers freedom for the users to select the best possible filter characteristics for the actual application type. It has perfect EVM parameters of <1% and low power consumption figures.

Supplied in a compact box, the BRTL37 is an ideal choice to be used in areas where the flexible filter selection is essential for smooth operation and/or network design. The unit can be monitored and set by local and remote control software.

**Electrical characteristics:**

Frequency Band Downlink	390 – 395 MHz*
Frequency Band Uplink	380 – 385 MHz*
Operator Frequency Bandwidth	5 MHz
Mode of Operation	channel or band selective duplex (upto 8 ch)
Max. ALC level	36 dBm @ downlink / 30 dBm @ uplink
Linear Output Power (Uplink and Downlink)	+36 dBm downlink / +24 dBm uplink typ.
ICP3	+68 dBm @ downlink / +51 dBm @ uplink
ACPR	60 dB @ 36 dBm downlink and 24 dBm uplink
Nominal Gain	90 dB
Gain Setting	90 to 60 dB in 1 dB steps
Gain Stability	< ± 1.5 dB (within oper. temp. range)
Input Noise Figure	< 6 dB @ max. gain
EVM	< 1% typ. (ETSI regulation < 10%)
Harmonics	According to the ETSI regulation (TS 101 789)
Spurious Radiation	According to the ETSI regulation (TS 101 789)
Local Leakage	According to the ETSI regulation (TS 101 789)
RF Connectors	N – female
Supply Voltage	100 - 240 VAC / 50 – 60Hz (optional 48 VDC)
Power Consumption	120 W
Weight	20 kg
Operating temperature range	0°C to +45°C
Cooling	Forced air
Wired Control	Ethernet connection, SNMP interface
Remote Wireless Control (optional)	2G / 3G modem and automatic SMS function
Application	Rackmount, IP20
Dimension	19" x 3U x 370 mm

Specifications are subject to change without notice.

\*available in any other standard TETRA bands too.



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**Outline dimensions (mm):**

