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**UMTS BAND-SELECTIVE MINI-REPEATER**

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

This repeater is intended for use in outdoor UMTS systems. It is a compact and reliable unit and it is especially advantageous to use it in villages, open fields or inside buildings 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.

**Electrical characteristics:**

Frequency Band Uplink	1920 – 1980 MHz
Frequency Band Downlink	2110 – 2170 MHz
Frequency Bandwidth (Up/Downlink)	15 MHz (*)
Mode of Operation	band selective duplex
Nominal Gain	70 dB
Gain Setting	70 to 40 dB in 1 dB steps
Max. ALC level	30 dBm
Linear Output Power Downlink / Uplink	+ 24 dBm typ. @ downlink + 24 dBm typ. @ uplink
Input Noise Figure	< 5 dB typ. 6 dB max.
EVM	4 % typ. (ETSI regulation < 12%)
PCDE	<-45 dB typ. (ETSI regulation < -35dB)
ACRR	45 dBc typ.
Spurious Radiation	According to the ETSI regulation
RF Connectors	N – female
Supply Voltage	230V / 50 – 60 Hz AC
Power Consumption	~ 100 VA
Weight	11 kg
Operating temperature range	- 20 to + 55 °C
Cooling Fan	no
RS232 control / GSM Remote control / SMS **	yes /yes / yes
Application	Outdoor
Dimension	326 x 275 x 122

(\*) Center frequency and bandwidth can be specified in the whole UMTS band.

(\*\*) Type number BRUM10 without GSM remote control

Specifications are subject to change without notice.

**Outline dimensions (mm):**
