
UMTS BAND-SELECTIVE MACRO-REPEATER

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

This repeater is intended for use in outdoor or indoor 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 set and monitored remotely through GSM modem.

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	80 dB
Gain Setting	80 to 50 dB in 1 dB steps
Max. ALC level	33 dBm
Linear Output Power Downlink / Uplink	+ 30 dBm typ. @ downlink + 27 dBm typ. @ uplink
Input Noise Figure	< 4 dB typ. 5 dB max.
EVM	4 % typ. (ETSI regulation < 12%)
PCDE	<-45 dB typ. (ETSI regulation < -35dB)
ACRR	40 dBc typ. (ETSI regulation > 20dB)
Spurious Radiation	According to the ETSI regulation
RF Connectors	N – female
Supply Voltage	230V / 50 – 60 Hz AC
Power Consumption	~ 110 VA
Weight	20 kg
Operating temperature range	- 20 to + 55 °C
Cooling Fan	no
RS232 control / GSM Remote control / SMS **	yes /yes / yes
Application	Outdoor
Dimension	560 x 300 x 103

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

(**) Type number BRUL11 only local RS232 control without GSM modem

Specifications are subject to change without notice.

Outline dimensions (mm):
