



**BONN HUNGARY  
ELECTRONICS**

**UMTS  
BAND-SELECTIVE  
PICO-REPEATER**

**BRPS18**  
NDS # 909

an ISO 9001 Certified Company

- **HIGH SENSITIVITY**
- **HIGH DYNAMIC RANGE**
- **SMALL SIZE**

PRELIMINARY



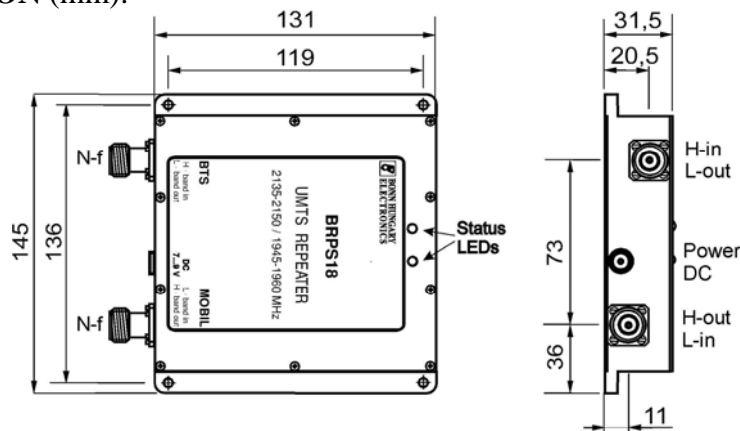
This pico-repeater is intended for use in UMTS indoor systems. It is a very compact and lightweight unit and it is especially advantageous to use it inside the buildings, rooms, tunnels where the field strength is weak. It is a cost effective solution to cover areas, which cannot be covered economically with base stations. It is a very economical solution can be installed easily. Status information such as overload, overtemperature, supply voltage failure, PLL unlock is indicated by red and green LED-s.

**ELECTRICAL CHARACTERISTICS :**

Frequency Band Uplink	1920 – 1980 MHz
Frequency Band Downlink	2110 – 2170 MHz
Frequency Bandwidth (Up/Downlink)	5 – 10 – 15 – 20 – 25 – 30 MHz (*)
Mode of Operation	band selective duplex
Nominal Gain	60 dB
Gain Setting	60 to 30 dB in 2 dB steps
Gain Ripple	± 1 dB typical ± 3 dB max.
RF Output Power	+ 13 dBm @ meets with ETSI regulation
Input Noise Figure	< 5 dB typ.
EVM	4 % typ. 12,5 % max.
PCDE	<-45 dB typ. -35 dB max
ACRR	40 dB typ. 20 dB min.
Spurious Radiation	According to the ETSI regulation
RF Connectors	N – female
Supply Voltage	with external 230 V/DC power supply
Power Consumption	10 VA
Weight	0.8 kg
Operating temperature range	- 10 to + 40 °C optional +50 °C
Application	Indoor

(\*) Centre frequency and bandwidth can be specified in the whole UMTS band.  
Specifications are subject to change without notice.

**OUTLINE DIMENSION (mm):**



**BONN Elektronik**  
RF Systems, Instruments and Components



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