



**BONN HUNGARY
ELECTRONICS**

**GSM - DCS DUAL BAND
BAND-SELECTIVE
PICO-REPEATER**

BRDS10
NDS # 912

an ISO 9001 Certified Company

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

PRELIMINARY



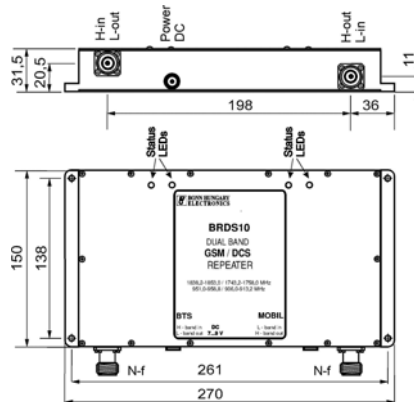
This dual band pico-repeater is intended for use in GSM & DCS indoor systems. It is a very compact and lightweight unit and it is especially advantageous to use it inside the buildings, rooms, tunnels where the field strength is weak. It is a cost effective solution to cover areas, which cannot be covered 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	890 – 915 MHz @ GSM	1710 – 1785 MHz @DCS
Frequency Band Downlink	935 – 960 MHz @ GSM	1805 – 1880 MHz @DCS
Frequency Bandwidth (Up/Downlink)	3 – 25 MHz (*)	
Mode of Operation	band selective duplex	
Linear Output Power	+ 13 dBm @ each band	
ICP3	+ 35 dBm typ. min. + 33 dBm	
Nominal Gain	60 dB @ each band	
Gain Ripple	± 1 dB typical ± 3 dB max.	
Gain Setting	60 to 30 dB in 2 dB steps	
Input Noise Figure	5 dB typ.	
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	with external 230V / DC power supply	
Power Consumption	20 VA	
Weight	1.5 kg	
Operating temperature range	- 10 to + 40 °C	
Application	Indoor	

(*) Centre frequency and bandwidth can be specified in the whole GSM & DCS bands.
Specifications are subject to change without notice.

OUTLINE DIMENSION (mm):



BONN Elektronik
RF Systems, Instruments and Components



Rudolf-Diesel-Str.18 · D-85521 Ottobrunn · Tel +49 (0)89/608 754-0 · Fax +49 (0)89/608 754-99
email: info@bonn-elektronik.com . home: www.bonn-elektronik.com