

**BAND SELECTIVE
DAB AMPLIFIER MODULE**

- **HIGH DYNAMIC RANGE**
- **3U HIGH MODULES**
- **FIT INTO 19" RACK**

BRRD18 is a band selective DAB amplifier. It is connected to the respective amplifier unit (BRRD15) to get more amplification in the whole band. Placed in a modern rackmount box, these units can be combined with BHE rackmount TETRA repeaters fulfilling the various communications need of special places like tunnels or underground stations.

Electrical characteristics:

Frequency band	174 to 240MHz
Max. Gain	65dB typ.
Gain adjust	62 dB range in 1dB step
Output 1dB compression	+18dBm
Output IP3	+28dBm min.
Input return loss	<-10dB
Noise figure @ max. gain	8dB typ., 10dB max max.
Harmonics	-60dBc typ., -50dBc max.
Spurious	-60dBc typ. -55dBc max.
Output return loss	<-15dB
Control and monitoring	via LAN, Web server
Connector	DIN41612 type, 60 pins+4 coax. 2 coaxial connectors built-in
Digital Outputs	Alarm
Double Colour Status LED on front panel	RED at Alarm, GREEN in normal operation
Monitoring	Input/Output level, Internal DC voltages
Supply current	500mA typical @ +12V
Operating temperature	-20°C ... +60°C
Dimension	188 x 100 x 19mm (without front cover) 5TE wide module, mountable in 3U high, 19" rack

Installation	DAB
BRRF11 3U high, 19" rack	16 pcs BRRD14 DAB repeaters
BRRF12 3U high, 19" rack	4pcs BRRD15 DAB amplifiers
BRRF13 3U high, 19" rack	8pcs BRRD14 DAB repeaters and 2pcs BRRD15 DAB amplifiers



BRRD18

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Outline dimensions (mm) BRRD18: (front, side and top view)

