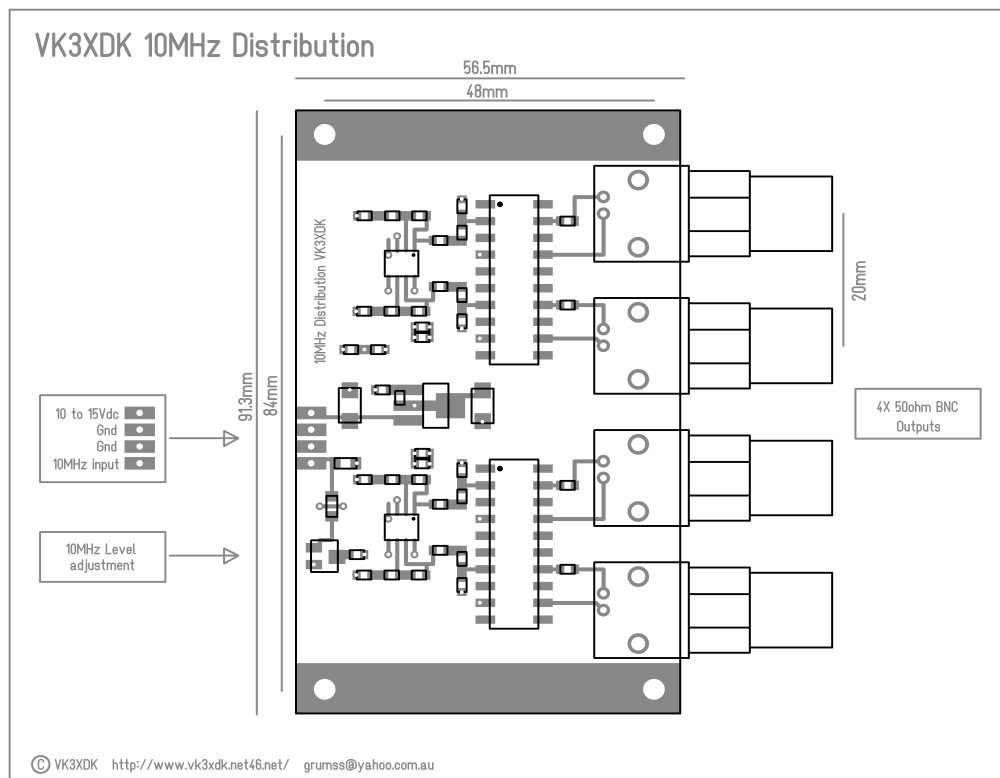


VK3XDK 10MHz Distribution

The VK3XDK 10MHz Distribution system is a convenient 10MHz “splitter”. It provides 4 filtered, buffered and fully (transformer) isolated 10MHz outputs.

Board measures 91.3mm X 56.5mm

- Fully regulated, runs on supply voltages of 10 to 15V (approx. 100mA)
- Variable attenuation and on-board gain allows a large range of 10MHz input levels.
- 4 Transformer isolated outputs
- Small size allows easy mounting in small enclosures (not supplied)
- Isolated BNC style connectors.
- Uses high bandwidth / high performance operational amplifiers
- Significant filtering/harmonic rejection
- 10dbm output (13dbm Maximum)
- Boards can be Paralleled (with a small input modification) for 8 or more outputs.



The board requires an input of 2dbm to 4dbm for a 10dbm output (typically 0dbm will provide 8dbm output)

Initial testing has been very positive:

Tested with a “Square-wave” (channel 4) : 3dbm input signal for 10dbm output @ 10MHz.

- 1st harmonic (20MHz) better than -52dbc, 2nd harmonic (30MHz) better than -50dbc

NOTE: Channels 2 and 4 have slightly better filtering due to transformer configuration.

NOTE: This board does not generate the required 10MHz input signal.

Board is pre-built and tested, (attenuator pre-set to 10dbm in/10dbm out)