**20W Dummy Load and 40db Attenuator - Assembly Manual**

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**INTRODUCTION**

The 20W dummy load and 40db attenuator kit was designed for calibrating and troubleshooting QRP radios. It uses 20

**SPECIFICATIONS**

Input voltage: Voltages less than 250 VDC

Operating Current: 20A continuous

Mounting: Four M4 floating mounting holes

Connections: Screw terminals for up to 12 gauge wire.

Size: 1.00” x 1.75”

**INVENTORY AND PREWORK**

Before you begin, inventory your parts against BOM to make sure you have everything you need to complete the Kit. The BOM:

**BOARD AND CIRCUIT**

**BUILDING THE BOARD**

1. Find a place where you can spread out your work, including a printouts of the board and BOM. Your workstation should be such that you can leave it overnight without having to "clean up". The workspace should also be kid- and cat-proof. If you get tired, stop. Come back to it tomorrow. Rushing the assembly rarely works out saving time.
2. Start by cleaning the RVP board with IPA (Iso-propyl or “rubbing” alcohol) to make sure it’s clean.
3. Mount the 5 or 7 screw terminal blocks on the board. If your kit contains three terminal blocks, they should be placed two on a side with the wire holes facing out.

Several blue electrical components

Description automatically generated

1. The board should look like this:

A close-up of a blue circuit board

Description automatically generated

1. The board is now complete. Use IPA again to clean the flux off the board.

A close-up of a circuit board

Description automatically generated

**USING THE BOARD**

Connect the source wires (+ and -) to J3. Connect load wires to J1 and J2 minding the polarity as shown on the board.