

B.1.3.4.

Fig. 519 The pcb lay-out of the LTA23-1-2. Scale 1:1. The impedance of each arm is 70.7 ohms ($Z_L = Z_{in} \times \sqrt{2}$). The pcb can be integrated in an existing system by lengthening both tracks (1 and 2) equally. The dimensions are for double-sided epoxy board, 1.6 mm thick. The LTA23-1-2 is not suitable for two-tone tests, as the output port isolation is too low. For this purpose the designs show in Figs. 108 and 109 (parts I and II) should be employed.

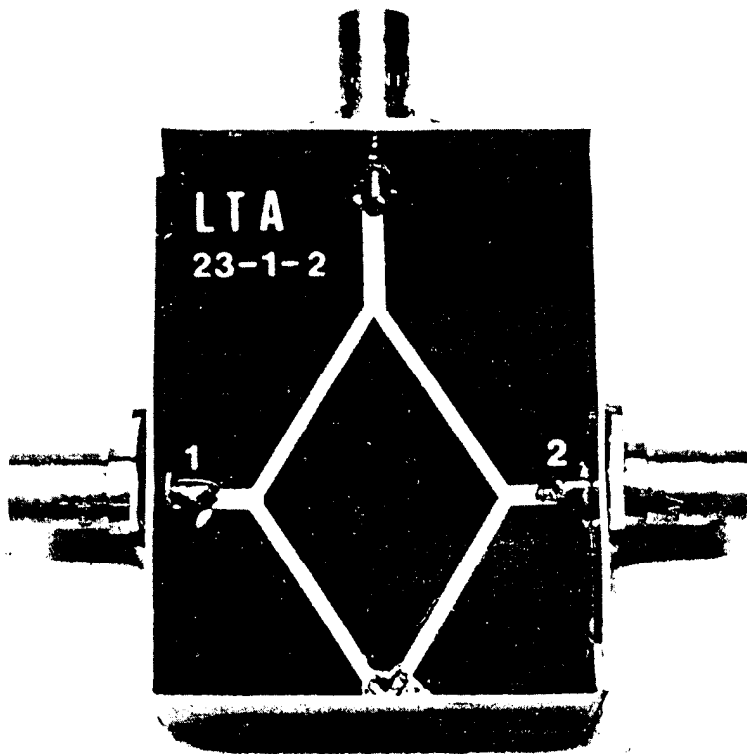
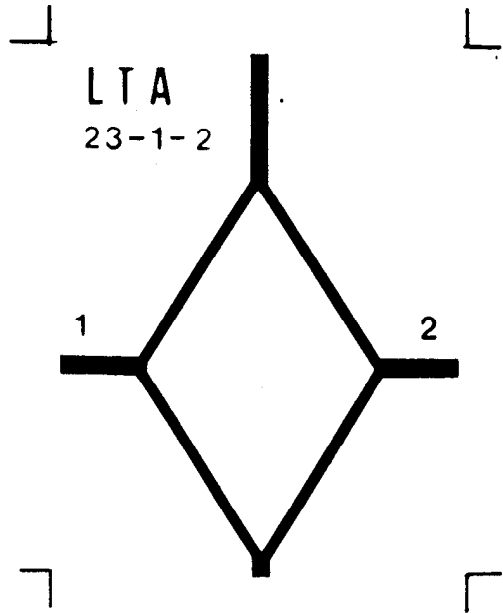


Fig. 520 The pcb shown soldered in a standard commercial 72 x 56 x 30 mm tin-plate box. A better solution would be to use single-sided epoxy-board with the copper-foil soldered together on the inside. The BNC or N sockets must be connected directly to the copper-foil with screws or soldered in place.

DJ9HO uses this system to feed two receivers from one preamp.

The pcb can handle 20 watts without any problems (1 hour soak test). The maximum power rating has not been tested. The pcb can combine two 10 watt pa's or two antennas to a 20 watt pa.