

ANTENNA CHANGE OVER FOR YOUR 2-M RIG

BY  
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As an alternative to the PIN Diodes BA244, which are not available locally, the antenna changeover for RX-TX mode can be done by the use of a 2 C/O, 12V Relay.

The Relay can be modified for handling VHF by shorting both the spring leaves and removing the wires connecting the leaves with the common poles as illustrated.

A BD-139 Transistor is used as a driver transistor for the relay as shown in the circuit since the electronically switched supply through the BEL 188 transistor is not capable of delivering the extra 60 ma load of the relay coil. The collector of this transistor can be directly soldered and mounted on the coil terminal of the relay. Heat sink for the BD-139 is not necessary.

The only disadvantage when using the relay is that there is a momentary burst of noise in the RX when it comes from transmit to receive mode apart from the relay clicks.

