

1250DC50

RF Adjustment:

These are very critical. A sweep generator is required to achieve the required passband which is normally peaked at about 1250MHz and 1315MHz. (This is the main reason why the 1250DC50 is not available as a kit.)

IF Adjustments:

The IF section is designed to be wideband so adjustments are not critical. (The response is such that a 38MHz IF could be used, although the tuning range would shift by 12MHz.)

L.O. Adjustments:

These are fairly critical. The L.O. frequency is below the signal frequency and is normally adjusted to tune a 1325MHz signal at one extreme of the tuning pot. The other extreme varies to some extent, typically 1220MHz  $\pm$  a few MHz.

DC Adjustments

These are straight-forward. The current in the RF amp. is set to approximately 7.5mA (after the 5.5V rail has been set.)

N.B.

The 1250DC50 is not intended to be user-adjustable apart from the tuning control. Any apparent faults should be referred to Wood and Douglas. Alignment and calibration of this unit is beyond the means of most amateurs.

YOU HAVE BEEN WARNED!

