

ABSTRACT

An East-West switching transistor (Q1) is coupled between a flyback transformer primary winding (W1) and a horizontal deflection output transistor circuit (100) to control retrace energy to obtain an East-West modulation of the deflection current amplitude (i_3) as required for East-West pincushion raster correction. The East-West switching transistor isolates a retrace resonant circuit (100) that includes a horizontal deflection winding (LH) from a flyback resonant circuit (251) that includes the flyback transformer (W1) during a portion of retrace. The deflection winding (LH) is coupled to a common conductor (GROUND) to permit the use of a retrace voltage sample (V4a) developed in the deflection winding as a feedback signal to synchronize the deflection current to the video signal (H_S). The arrangement reduces phase modulation of the deflection current as a function of beam current (i_{BEAM}) variations, that could be visible as a beam current dependent horizontal picture shift or a raster bending in a horizontal direction.

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FIGURE 1

This Sheet Has Been Replaced

