

ABSTRACT

An East-West switching transistor (Q1) is coupled between a flyback transformer primary winding (W1) and a horizontal deflection output transistor circuit (100,Q2) to control retrace energy to obtain an East-West modulation of the deflection current amplitude 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 (W1) that includes the flyback transformer during a portion (t_2, t_3-t_4 , FIG.2d) of retrace. The deflection winding is coupled to a common conductor to permit the use of a retrace voltage sample(V4), developed in the deflection winding and coupled to the East-West switching transistor, to control the switching operation in a manner that bypasses the flyback transformer. A resistor (R1) coupled in series with the primary winding develops a voltage (VC7), during trace, that is indicative of beam current. The resistor voltage is coupled to the East-West switching transistor to prevent beam current variation from causing raster width variation.

FIGURE 1

This Sheet Has Been Replaced

