

Abstract

Sample Pulse Generator For Automatic
Kinescope Bias System

Control circuitry 60, in an AKB sample pulse generator, enables charging of a capacitor 82 upon initiation of a vertical retrace pulse S6, initiates discharge of the capacitor in response to termination of the retrace pulse and concurrently produces an AKB output pulse (SP) having a width (W) determined by an RC time constant and having a delay time (T_d) relative to initiation of the retrace pulse that is equal to the length (L) of the retrace pulse and that is independent of the value of the RC time constant. The AKB sample pulse delay time tracks variations, if any, of the retrace pulse and is unaffected by parameter variations of the RC components. The sample pulse width can be controlled with increased "aperture" or sampling time.

