

KINESCOPE DRIVER APPARATUS

ABSTRACT

A complementary push-pull emitter follower amplifier (30) is coupled between the output (collector of transistor Q3) of a high voltage driver amplifier (20) and the cathode (16) of a kinescope for reducing the effective capacitance presented to the driver amplifier (20) that is attributable to the kinescope cathode (16), socket, spark gaps and related stray capacitances. A secondary undesired capacitance loading of the amplifier (20) attributable to the collector to base capacitances of the follower amplifier (30) is effectively reduced by regulating the collector emitter voltages of the push-pull follower output transistors (Q4,Q7) at respective substantially constant values thereby improving parameters such as the slew rate and bandwidth of the overall video display system.

FIG. 2