

ABSTRACT

In a projection television system, a blue phosphor roll-off compensation network (QB, RB, RE2A, RE2B, RE3, VBIAS) is included in the emitter circuit of a common emitter configured transistor (QD) comprising the driver amplifier for the blue cathode ray tube. The roll-off compensation network includes a voltage divider (RE2A, RE2B) connected between the emitter of the common emitter configured transistor (QD) and a source of a bias voltage (VBIAS), and a second transistor (QB) having its base connected to a point within the voltage divider and its collector-emitter path connected in series with a gain changing resistor (RB) between the emitter of the common emitter configured transistor and the source of the variable bias voltage (VBIAS). The voltage divider determines the level of drive current at which the second transistor is rendered conductive and thereby the point at which roll-off compensation is applied. The gain changing resistor determines the amount of compensation.

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