

SINGLE ANODE E.H.T. RECTIFYING TUBES

High-vacuum single-anode rectifying tubes for high tension in television receivers (E.H.T. supply from the line time base).

The DY86 and DY87 are equivalent except for the DY87 having a chemically treated envelope which avoids flash-over under conditions of high humidity and low atmospheric pressure (45 cm Hg).

HEATING: Indirect by A.C. or D.C.; parallel supply

Heater voltage

V_f 1.4 V

Heater current

I_f 550 mA

When the heater is to be operated on R.F. or flyback pulses, the heater voltage can be adjusted to 1.4 V e.g. by measurement with a thermocouple.

Tolerances of V_f

a. As E.H.T. rectifier in television receivers

The heater voltage should be adjusted to its nominal value at a D.C. output current of $200\mu\text{A}$. At an increase of the D.C. output current to 400 to $600\mu\text{A}$ which can incidentally occur during operation the decrease of the heater voltage may amount to max. 15 %. These requirements hold for nominal mains voltage and full horizontal scanning of the picture tube. If the picture width control is such that also the heater voltage of the E.H.T. diode is influenced, the influence of this control must be kept within the 15 % limit indicated above.

b. For all other applications the limits for the heater voltage are as given in the application directions in front of this section.