

HALF-WAVE RECTIFIER

EY51

High voltage half-wave rectifier with wired-in connections. Its low heater wattage renders the valve particularly suitable for use in cathode ray tube e.h.t. supply units deriving their input from the line time base fly-back pulse.

HEATER

V_h	6.3	V
I_h	90	mA
Heater voltage tolerances		
$I_{out} \leq 200\mu A$	± 15	%
$I_{out} = 500\mu A$	± 7.0	%

MOUNTING POSITION

Any

Note—Direct soldered connections to the leads of this valve must be at least 10mm from the seal and care should be taken not to bend the leads near the seal

CAPACITANCE

C_{a-k}	0.8	pF
-----------	-----	----

LIMITING VALUES

(1) Sinusoidal input (50c/s)

$V_{in(r.m.s.)}$ max.	5.0	kV
I_{out} max.	3.0	mA
C max.	0.1	μF
R_{lim} min.	100	k Ω

(2) Sinusoidal input (10 to 500kc/s)

P.I.V. max.	17	kV
I_{out} max.	3.0	mA ←
C max.	0.01	μF

(3) Pulsed input

P.I.V. max.	17	kV
I_{out} max.	350	μA
$*i_{k(pk)}$ max.	80	mA
C max.	0.005	μF

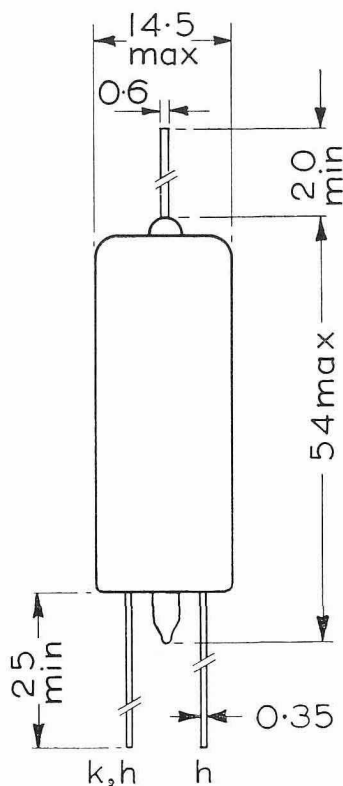
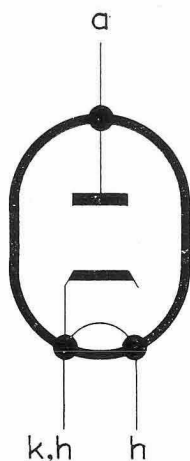
*Max. pulse duration 5.0% of a line scanning cycle with a maximum of 5.0 μs

EY 51

HALF-WAVE RECTIFIER

High voltage half-wave rectifier with wired-in connections. Its low heater wattage renders the valve particularly suitable for use in cathode ray tube e.h.t. supply units deriving their input from the line time base fly-back pulse.

4778

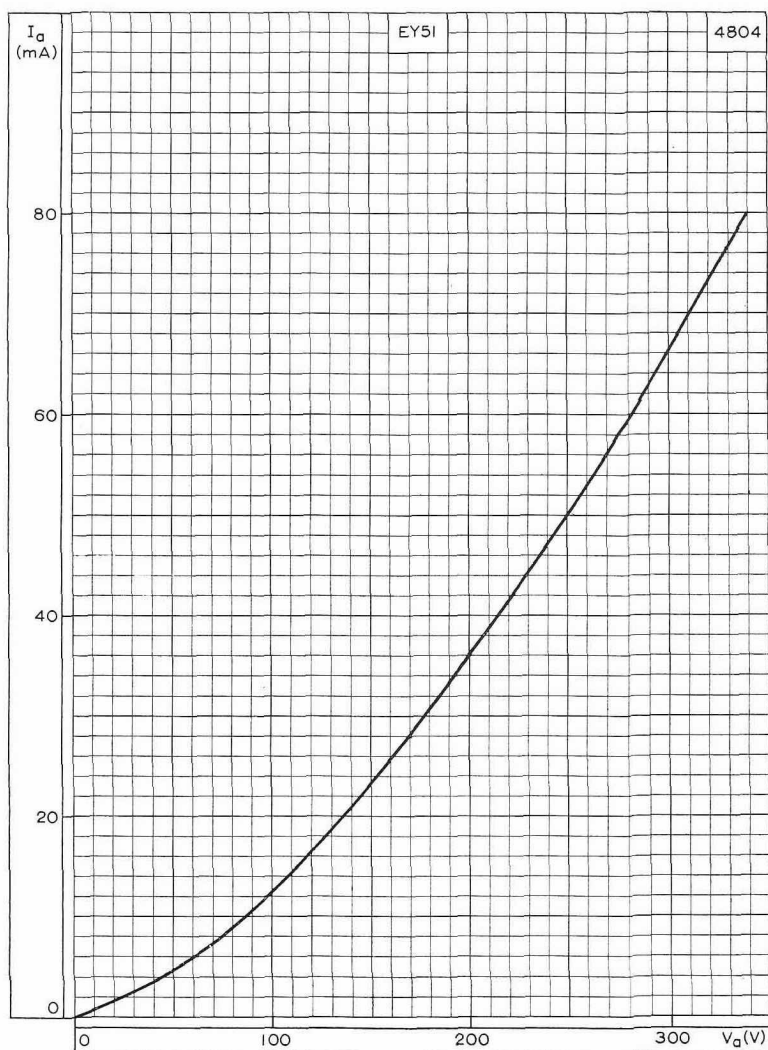


All dimensions in mm

HALF-WAVE RECTIFIER

EY51

High voltage half-wave rectifier with wired-in connections. Its low heater wattage renders the valve particularly suitable for use in cathode ray tube e.h.t. supply units deriving their input from the line time base fly-back pulse.

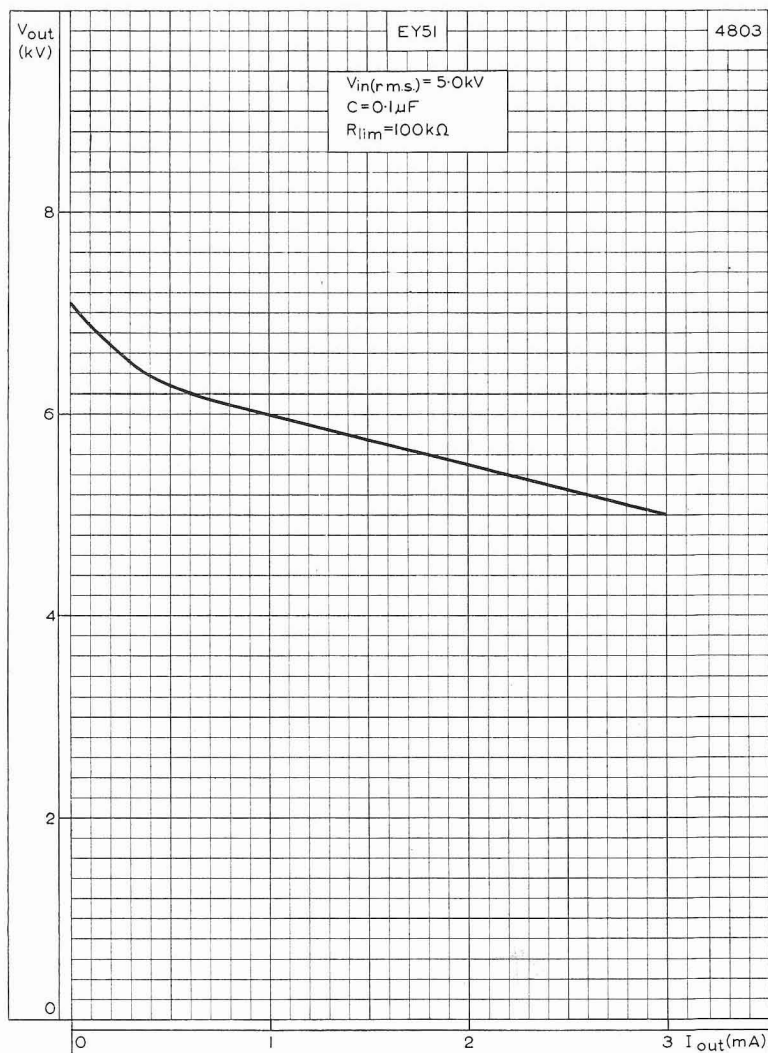


ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE

EY 51

HALF-WAVE RECTIFIER

High voltage half-wave rectifier with wired-in connections. Its low heater wattage renders the valve particularly suitable for use in cathode ray tube e.h.t. supply units deriving their input from the line time base fly-back pulse.



REGULATION CURVE FOR 50c/s SINUSOIDAL INPUT