

HALF-WAVE RECTIFIER

PY33

*Indirectly-heated half-wave rectifier with 300mA heater
for use in television receivers with series connected heaters.*

HEATER

Suitable for series operation, a.c. or d.c.

I_h	300	mA
V_h	29	V

DESIGN CENTRE RATINGS

P.I.V. max.	700	V
$V_{a(r.m.s.)}$ max.	250	V
I_{out} max.	325	mA
$i_{a(pk)}$ max.	2.6	A
$i_{a(surge)}$ max.	9.5	A
C max.	200	μF
$*V_{h-k(pk)}$ max. (cathode positive)	625	V

*Max. d.c. component = 275V. Max. a.c. component = 250V_{r.m.s.}

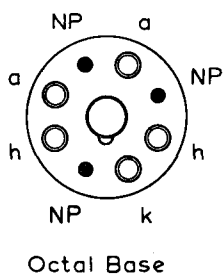
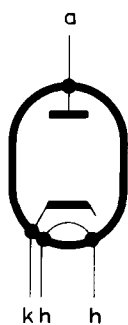
OPERATING CONDITIONS*

$V_{in(r.m.s.)}$	200	210	220	230	240	250	V
I_{out}	325	325	295	270	240	220	mA
C	200	200	200	200	200	200	μF
R_{lim} min.	15	17	19	21	23	25	Ω
V_{out}	209	219	234	249	264	280	V

*For television receivers, where a constant output voltage is required for different input voltages, the values of limiting resistor required can be obtained from the curves on pages C3 and C4.

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