

SUBMINIATURE HALF-WAVE RECTIFIER

EY70

Indirectly heated half-wave rectifier.

HEATER

V_h	6.3	V
I_h	450	mA

MOUNTING POSITION

Any

Note—Direct soldered connections to the leads of this valve must be at least 5mm from the seal and any bending of the valve leads must be at least 1.5mm from the seal.

LIMITING VALUES

P.I.V. max.	850	V
$V_{a(r.m.s.)}$ max.	250	V
I_a max.	45	mA
$I_{a(pk)}$ max.	270	mA
$V_{h-k(pk)}$ max.	425	V

TYPICAL OPERATING CONDITIONS

Half-wave operation—single valve

$V_{a(r.m.s.)}$	235	V
R_{lim} min.	270	Ω
I_{out}	45	mA
V_{out}	216	V
$C = 20 \mu F$	207	V
$C = 8 \mu F$	190	V
$C = 4 \mu F$		

Full-wave operation—two valves

Capacitor input

$V_{a(r.m.s.)}$	250	V
R_{lim} min. (per anode)	300	Ω
C	4.0	μF
I_{out}	90	mA
V_{out}	207	V

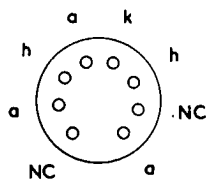
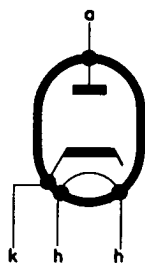
Choke input

$V_{a(r.m.s.)}$	300	V
L min.	5.0	H
I_{out}	90	mA
V_{out}	240	V

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B8D/F Base

3392

All dimensions in mm

