

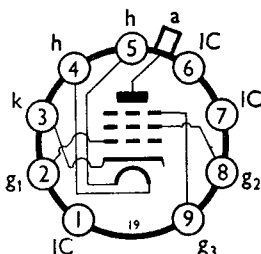


POWER PENTODE 0-3A INDIRECTLY HEATED

N339
NOVEMBER, 1955

For use as a line time base output valve in D.C./A.C. television receivers.

BASE CONNECTIONS AND VALVE DIMENSIONS



View from underside
of base.

Base : B9A
Bulb : Tubular

Overall length : 76—82 mm.
Seated length : 70—75 mm.
Max. diameter : 22 mm.
Top cap : CT1

HEATER

I_h	0.3	A
V_h	20 approx.	V

MAXIMUM RATINGS

V_{h-k} rms 230 V

Pentode Connection

V_a	300	V
V_a (pk) (pulse) *	7.5	kV
V_{g2}	200	V
P_a	12	W
$P_{g2}†$	4.5	W

Triode Connection

V_a, g_2	200	V
P_a, g_2	12.5	W

* Maximum pulse duration : 18% of one cycle, with a maximum of 18 μ s.

† Subject to $P_a + P_{g2}$ not exceeding 12.5W.

CAPACITANCES (of unscreened valve).

$C_{a-all \text{ less } g1}$	7.3	pF
$C_{g1-all \text{ less } a}$	13	pF
C_{a-g1}	0.38	pF

TYPICAL OPERATION

Pentode Connection

V_a	150	V
V_{g2}	150	V
I_a	50	mA
r_a	30	k Ω
g_m	8.5	mA/V

Triode Connection

V_a, g_2	150	V
V_{g1}	-12.5	V
μ	8.5	
r_a	810	Ω
g_m	10.5	mA/V

SCREENING

No internal or external screening is fitted to the valve.

MOUNTING

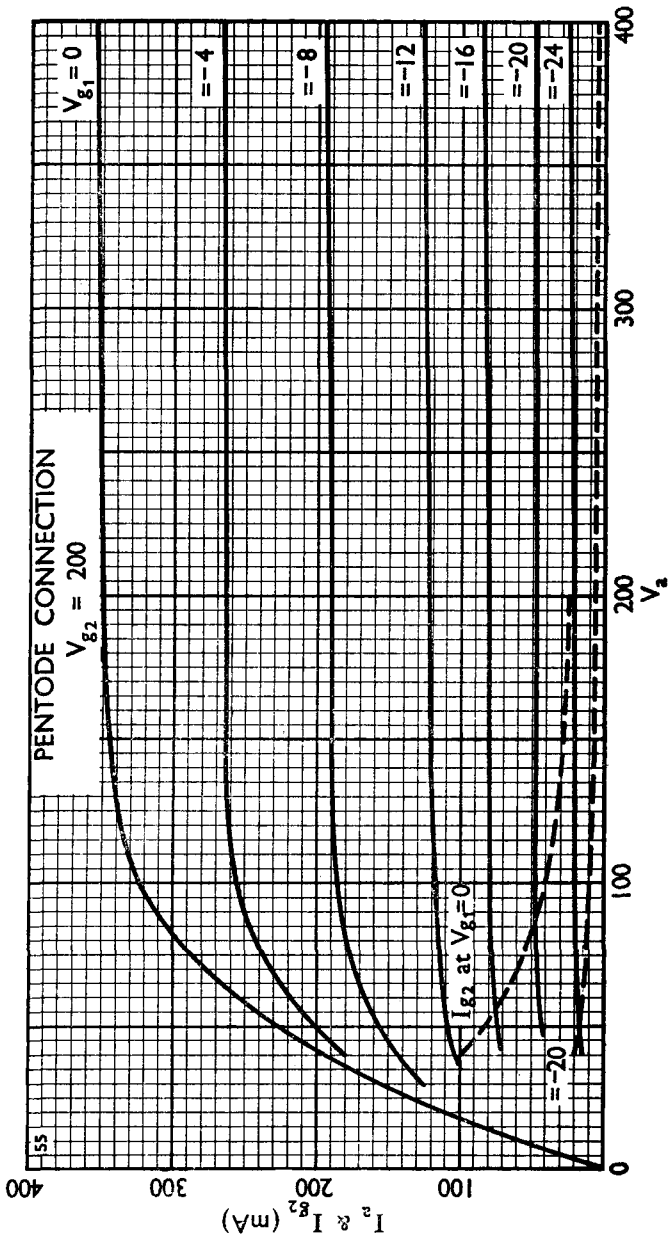
Any position, provided pins 1 and 6 are in a vertical plane when the valve is horizontal.

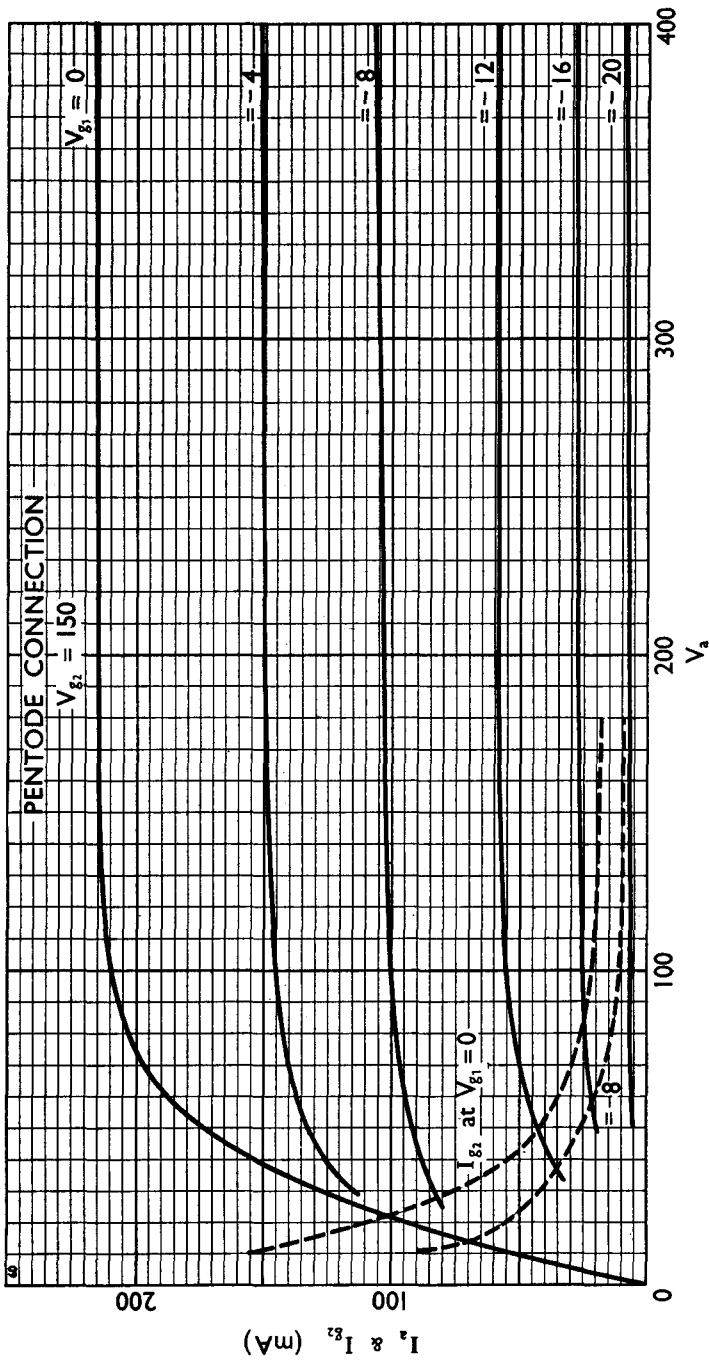
RETAINING

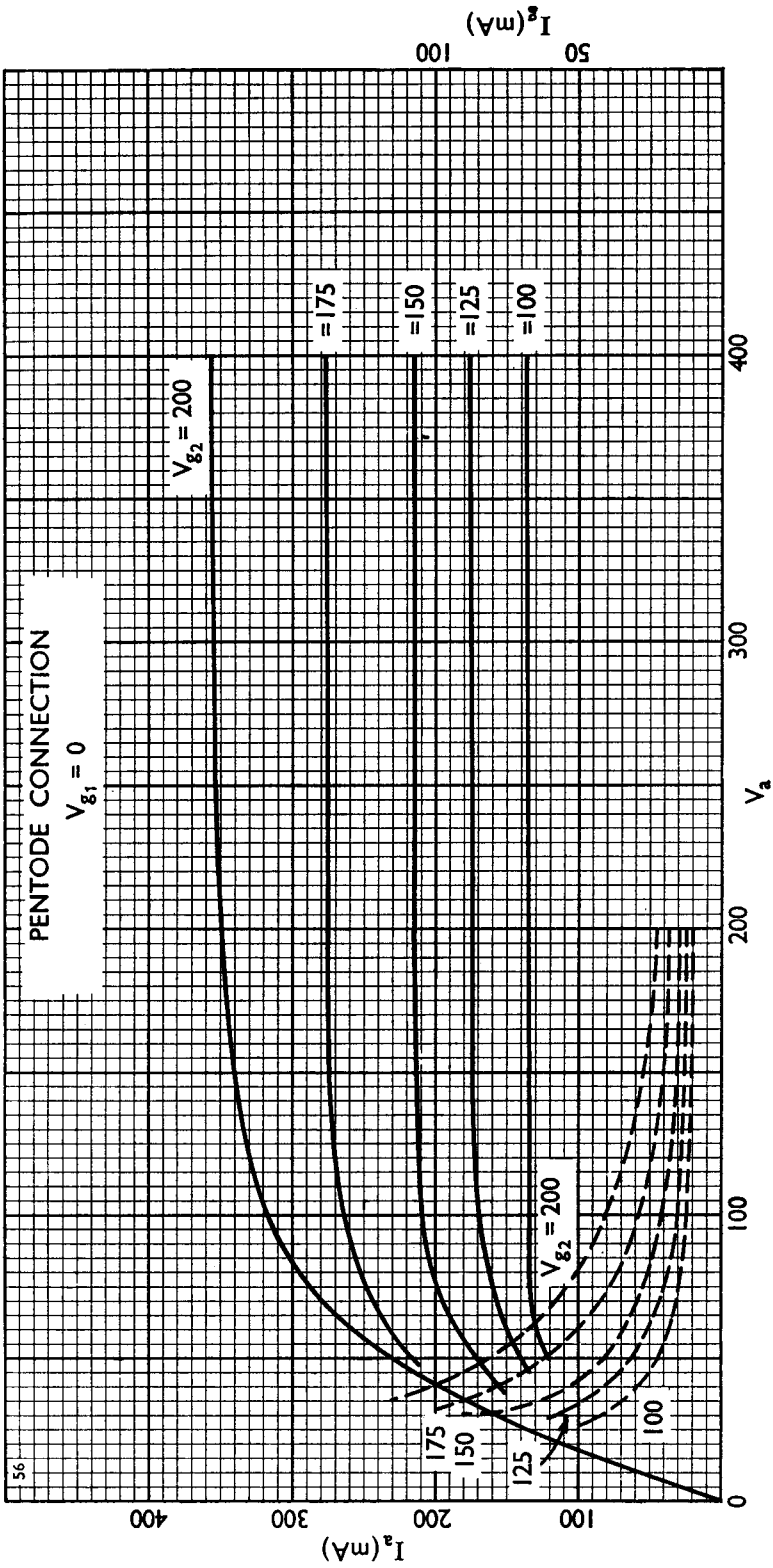
A retaining device should be used in equipment subject to vibration or shock.

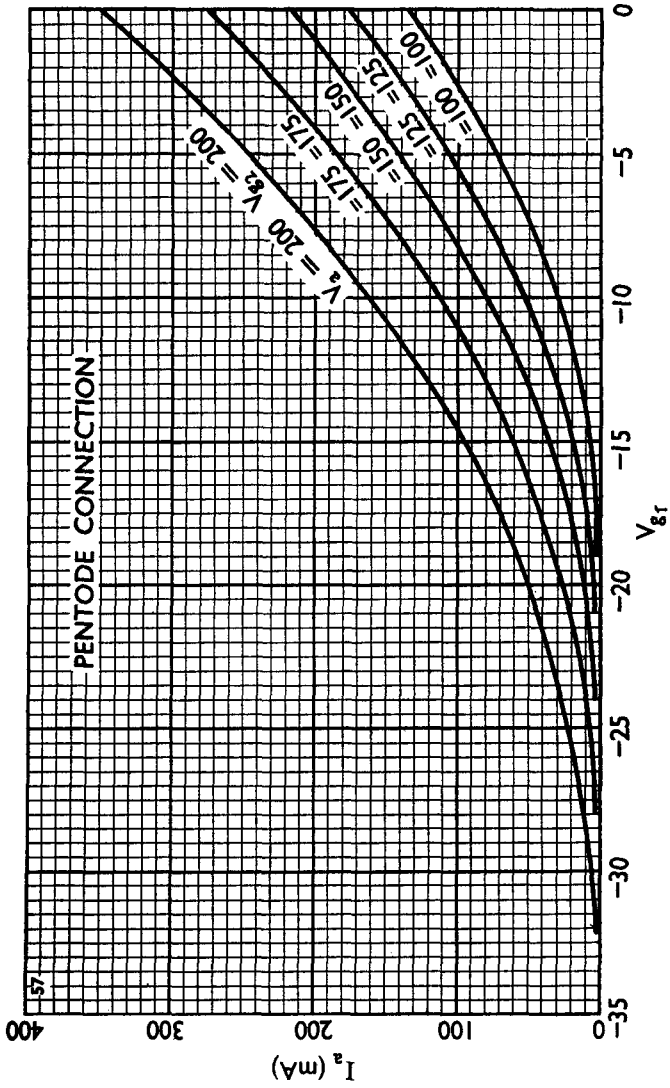
VENTILATION

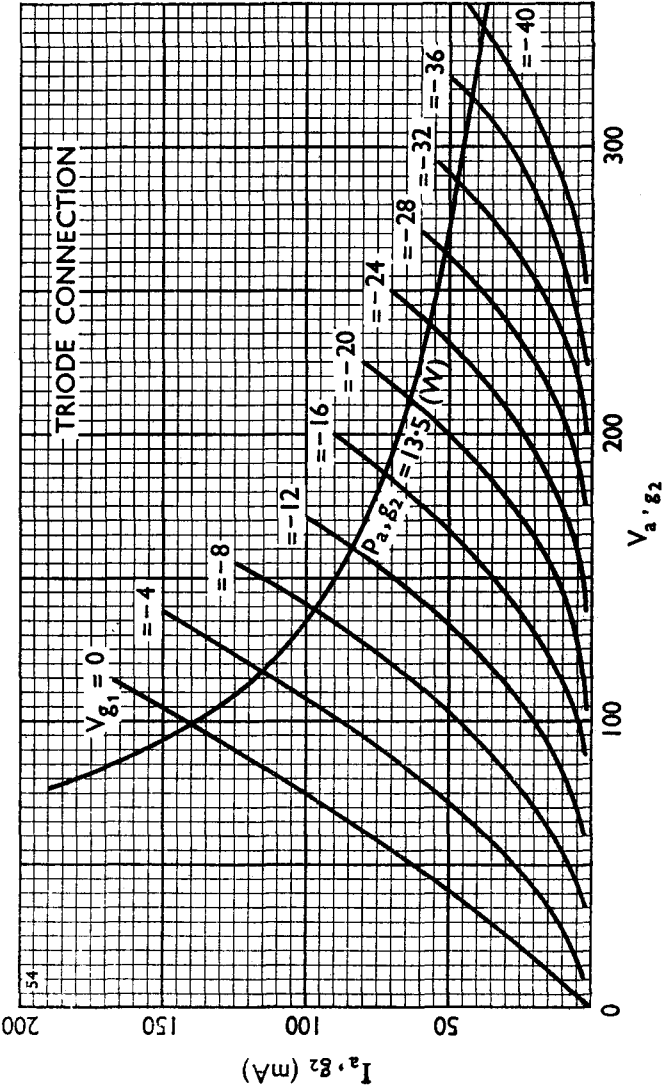
Free air circulation is preferable. The temperature of the hottest part of the bulb must not exceed 200°C.

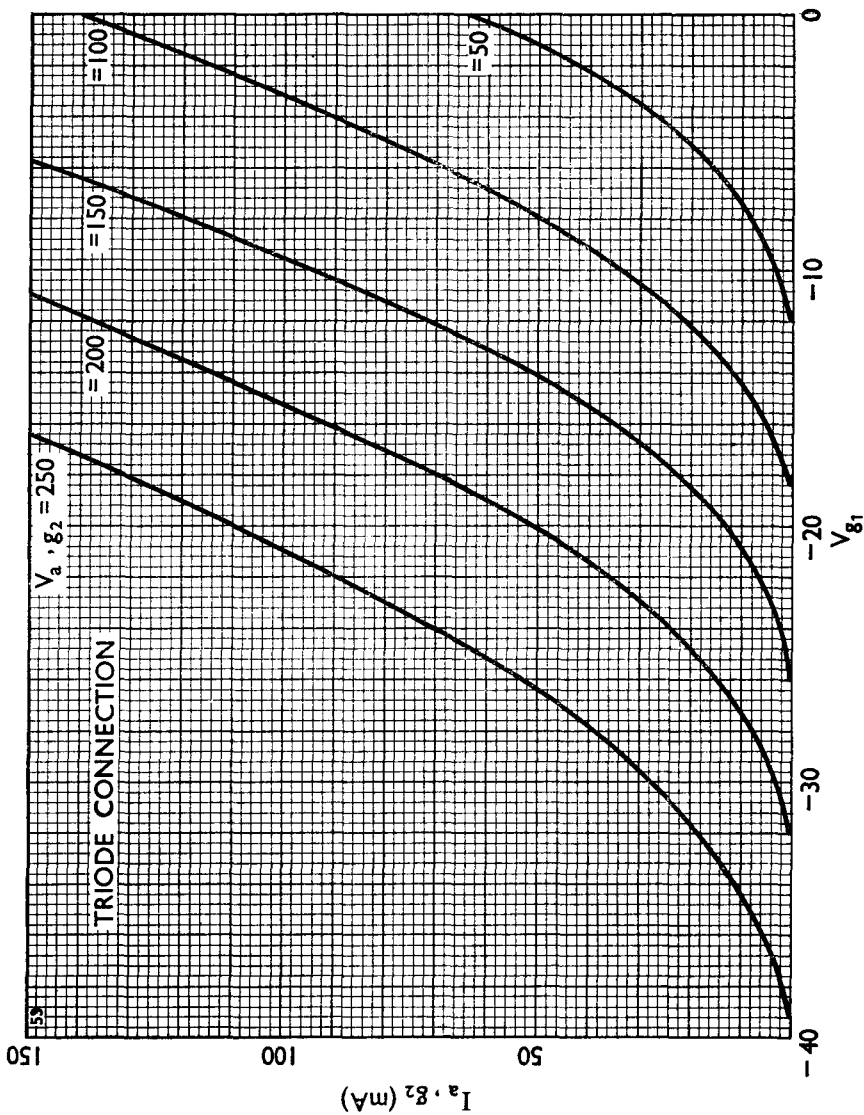












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