

OUTPUT PENTODE

CL33

High-sensitivity output pentode for use in
DC/AC mains-operated equipment.

HEATER

This valve is suitable for DC/AC operation.

V_h	33.0	V
I_h	0.2	A

OPERATING CONDITIONS

V_a	200	V
V_{g2}	200	V
V_{g1}	-8.5	V
I_a	45	mA
I_{g2}	6	mA
S_m	8	mA/V
r_a	35,000	ohms
u_{g1-g2}	13.5	
R_a	4,500	ohms
$V_{in\ rms}$	5.0	V
$V_{in\ rms}$	0.5	V
(W _{out} = 50 mW)		
W _{out}	4.0	W
D _{tot}	10	%
R _k	167	ohms

LIMITING VALUES

$V_a(b)$ max.	400	V
V_a max.	250	V
w_a max.	9	W
I_k max.	70	mA
$V_{g2(b)}$ max.	400	V
V_{g2} max.	250	V
w_{g2} max.	2	W
V_{g1} max. ($I_{g1}=+0.3\mu A$)	-1.3	V
R_{g1} max. (self bias)	1.0 M.	ohm
V_{h-k} max.	175	V
R_{h-k} max.	5,000	ohms

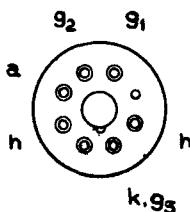
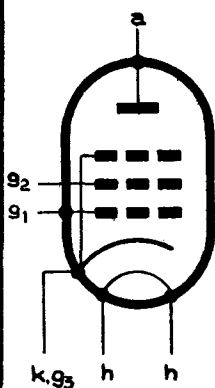


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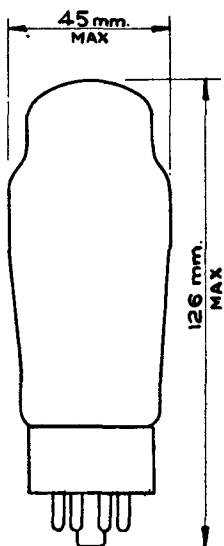
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ARRANGEMENT OF ELECTRODES
AND BASE CONNECTIONS



OCTAL BASE

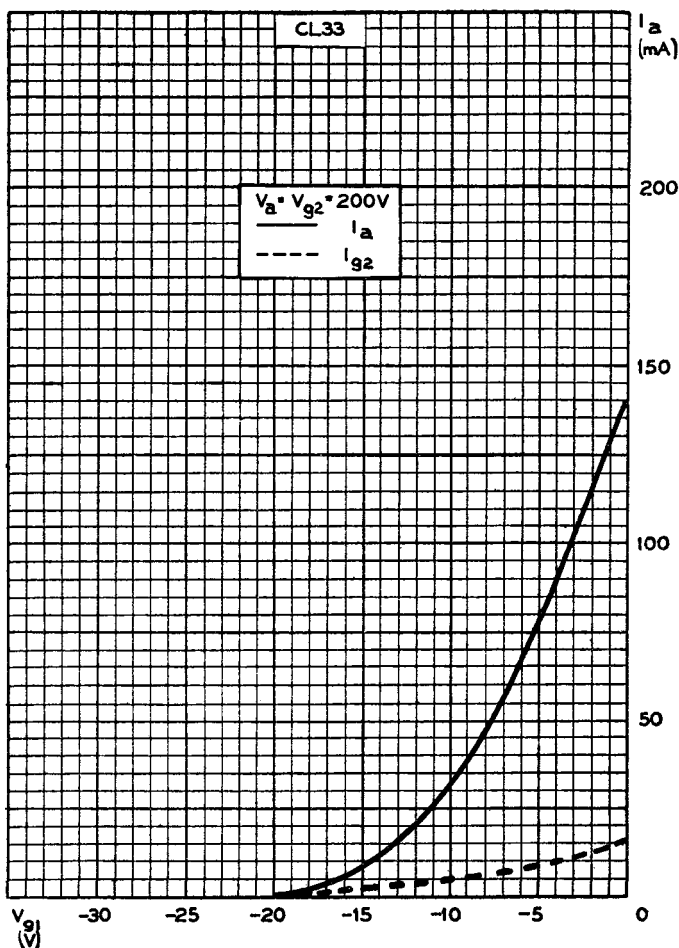
DIMENSIONS



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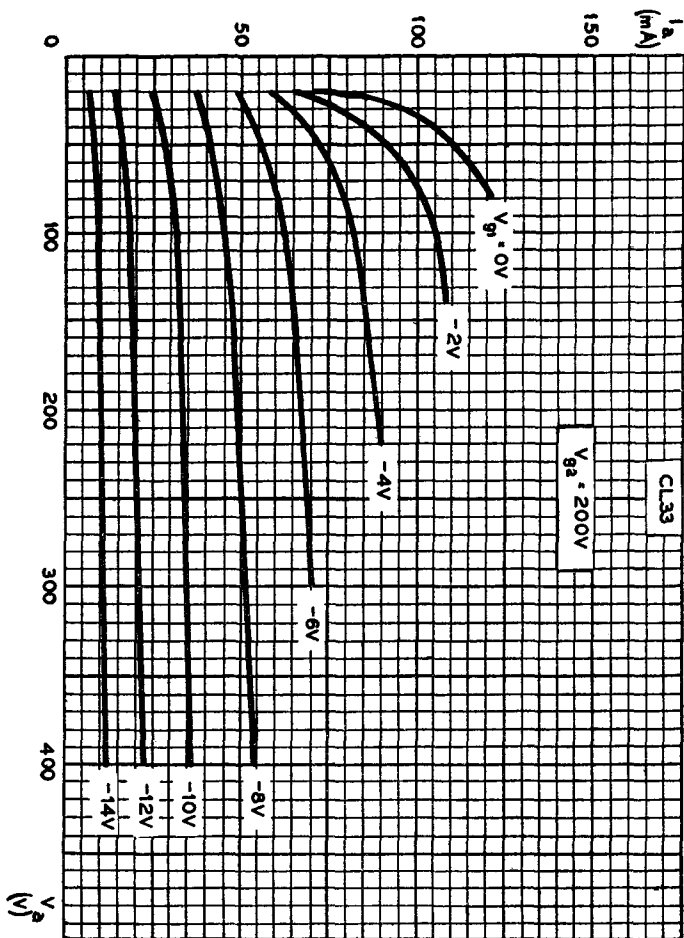
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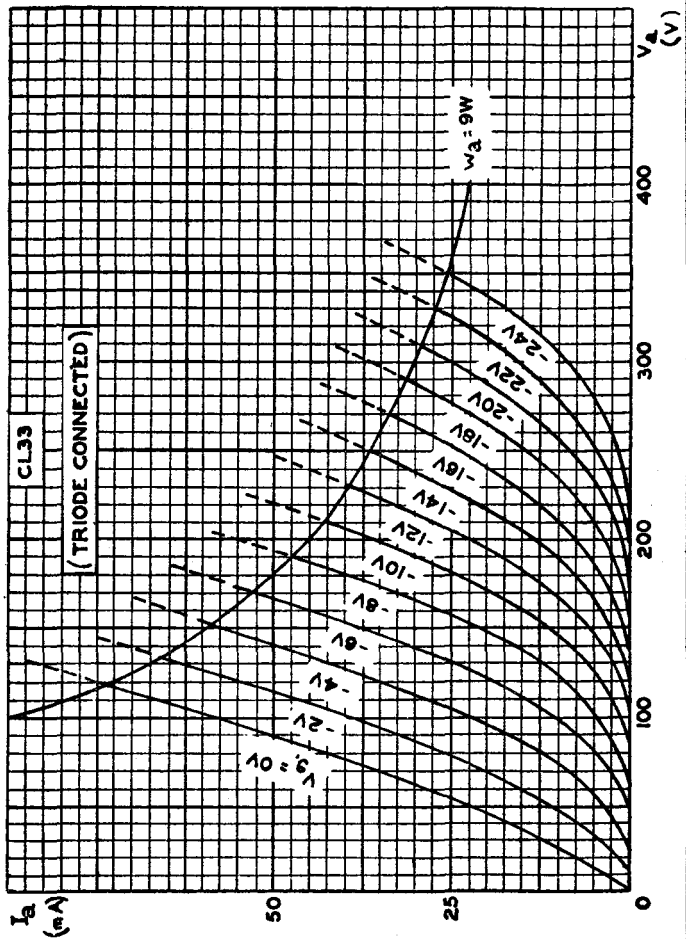
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