

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_n	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

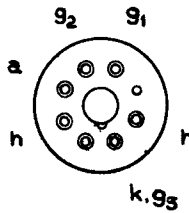
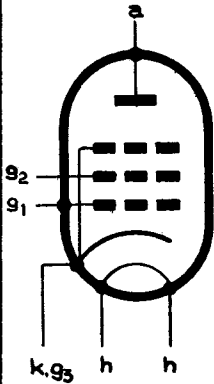


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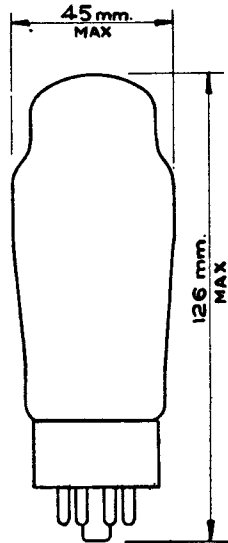
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ARRANGEMENT OF ELECTRODES AND BASE CONNECTIONS



OCTAL BASE

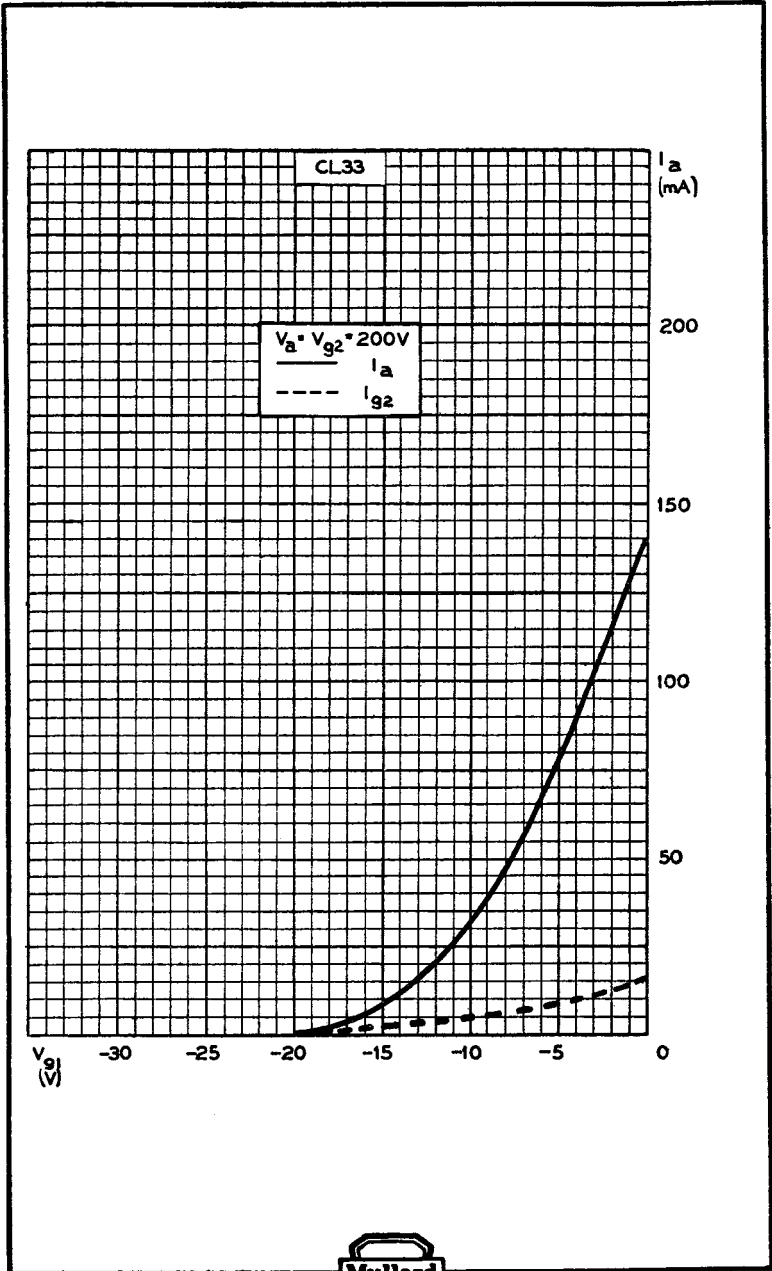
DIMENSIONS



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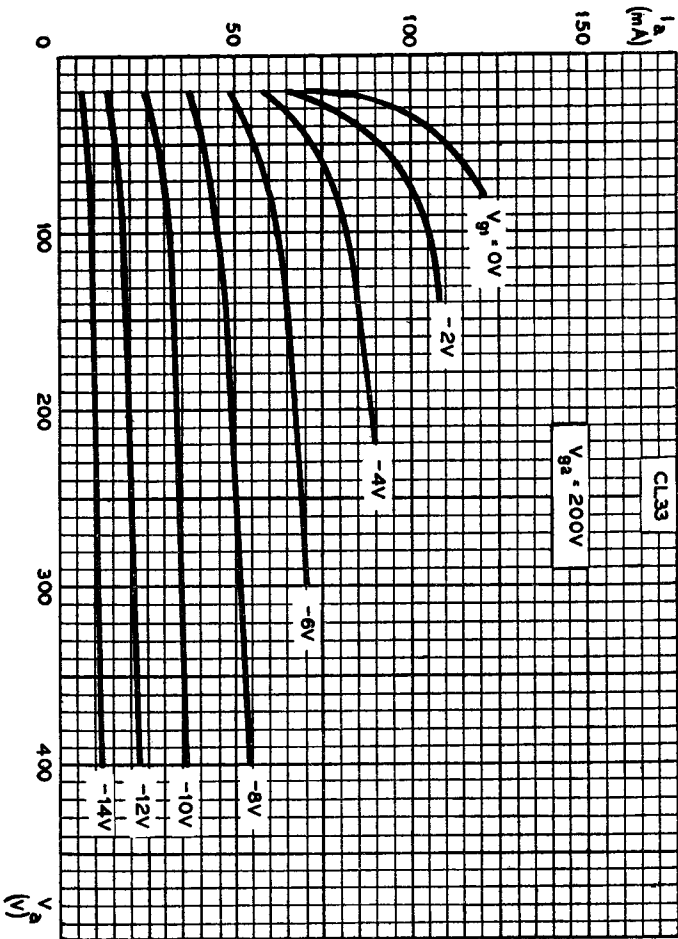
High-sensitivity output pentode for use in DC/JAC mains-operated equipment.



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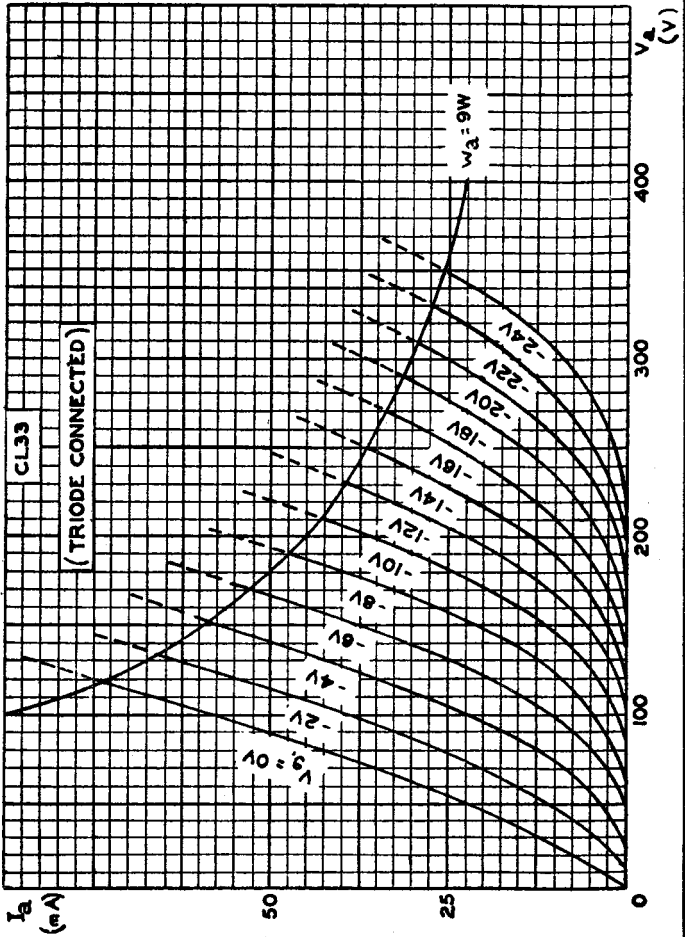
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