OUTPUT PENTODE

EL33

High-sensitivity output pentode for use in A.C. mains-operated equipment.

HEATER

V_h	6.3	V
I_h	0.9	A

CAPACITANCE

c_{a-gl}	1.0	μμF

OPERATING CONDITIONS AS CLASS 'A' AMPLIFIER

V_a	250	V
V_{g2}	250	V
I_a	36	mA
V_{gl}	-6	V
I_{g2}	4	mA
g_m	9	mA/V
r_a	50,000	ohms
$\mu(glg2)$	23	
W_{out}	4.5	W
R_a	7,000	ohms
$V_{in(rms)}$	4.2	V
$V_{in(rms)}$ (50 mW)	0.33	V
D_{tot}	10	%
R_k	150	ohms

OPERATING CONDITIONS FOR TWO VALVES IN PUSH-PULL

V_a	250	V
V_{g2}	250	V
I_{ao}	2x24	mA
I_a max.	2x28.5	mA
I_{g2o}	2x2.8	mA
I_{g2} max.	2x4.6	mA
R_k	140	ohms
R_a (anode to anode)	10,000	ohms
W_{out}	8.2	W
$V_{in(rms)}$	6.7	V
D_{tot}	3.1	%

OPERATING CONDITIONS AS TRIODE (g2 connected to a)

V_a	250	V
I_a	20	mA
V_g	-8.5	V
g_m	6.5	mA/V
μ	20	
r_a	3,000	ohms
R_k	425	ohms
R_a	7,000	ohms
W_{out}	1.1	W
D_{tot}	5	%
$V_{in(rms)}$	5.9	V
$V_{in(rms)}$ (50 mW)	1.1	V

EL33

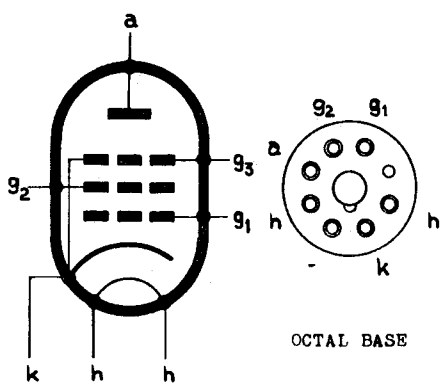
OUTPUT PENTODE

High-sensitivity output pentode for use in A.C. mains-operated equipment.

LIMITING VALUES

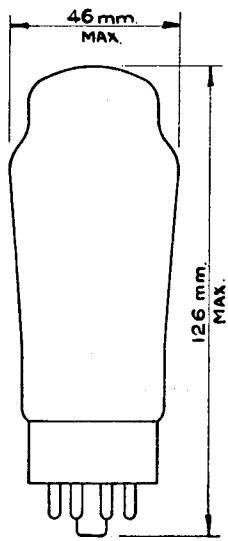
$V_{a(b)}$ max.	550	V
V_a max.	250	V
w_a max.	9	W
$V_{g2(b)}$ max.	550	V
V_{g2} max.	275	V
w_{g2} max. (zero sig.)	1.2	W
w_{g2} max. (max. sig.)	2.5	W
I_k max.	55	mA
V_{g1} max. (I_{g1}=0.3μA)	-1.3	V
$R_{(g1-a)}$ max.	1	megohm
V_{h-k} max.	50	V
R_{h-k} max.	5,000	ohms

ARRANGEMENT OF ELECTRODES AND BASE CONNECTIONS



OCTAL BASE

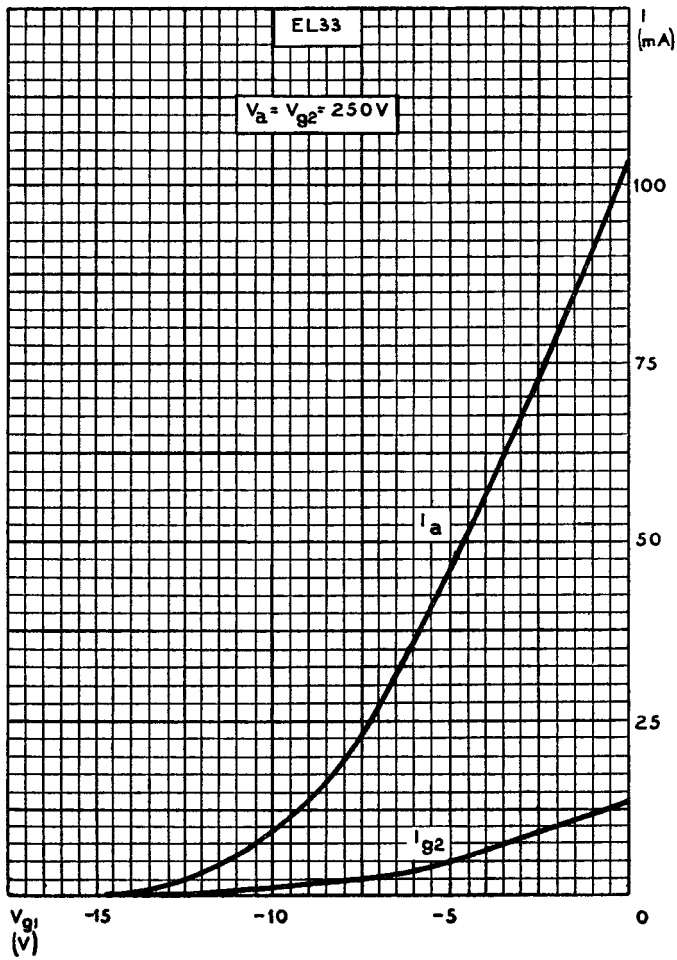
DIMENSIONS



OUTPUT PENTODE

EL33

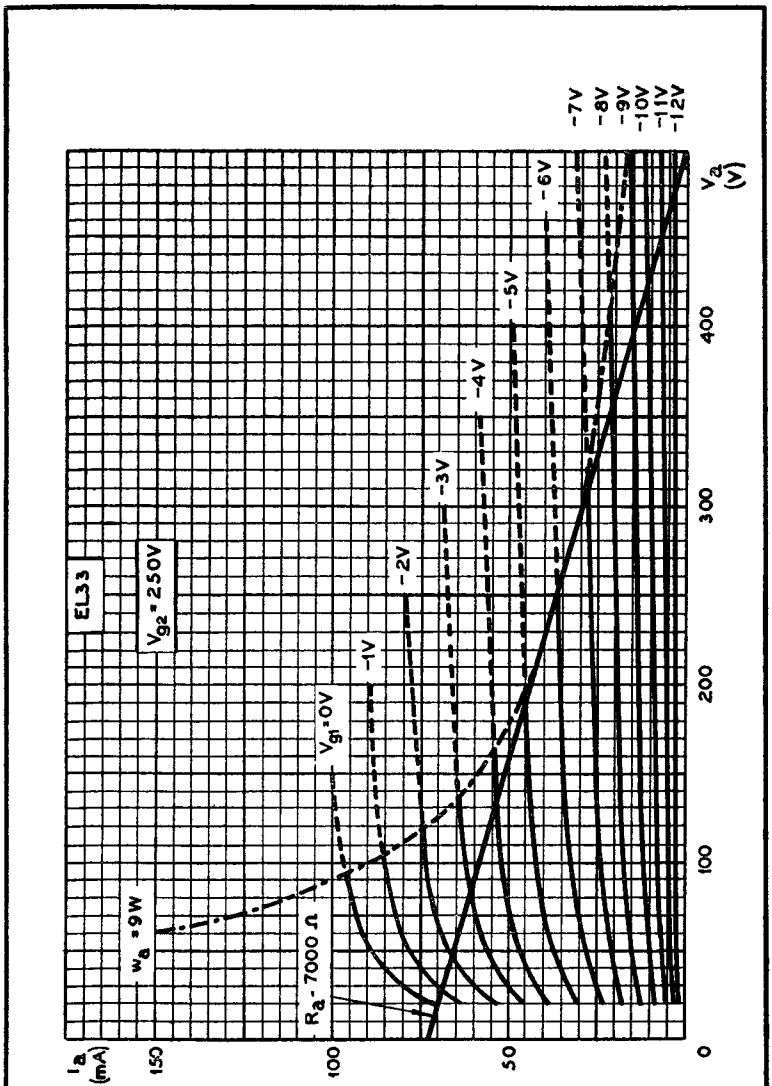
High-sensitivity output pentode for use in A.C. mains-operated equipment.



EL33

OUTPUT PENTODE

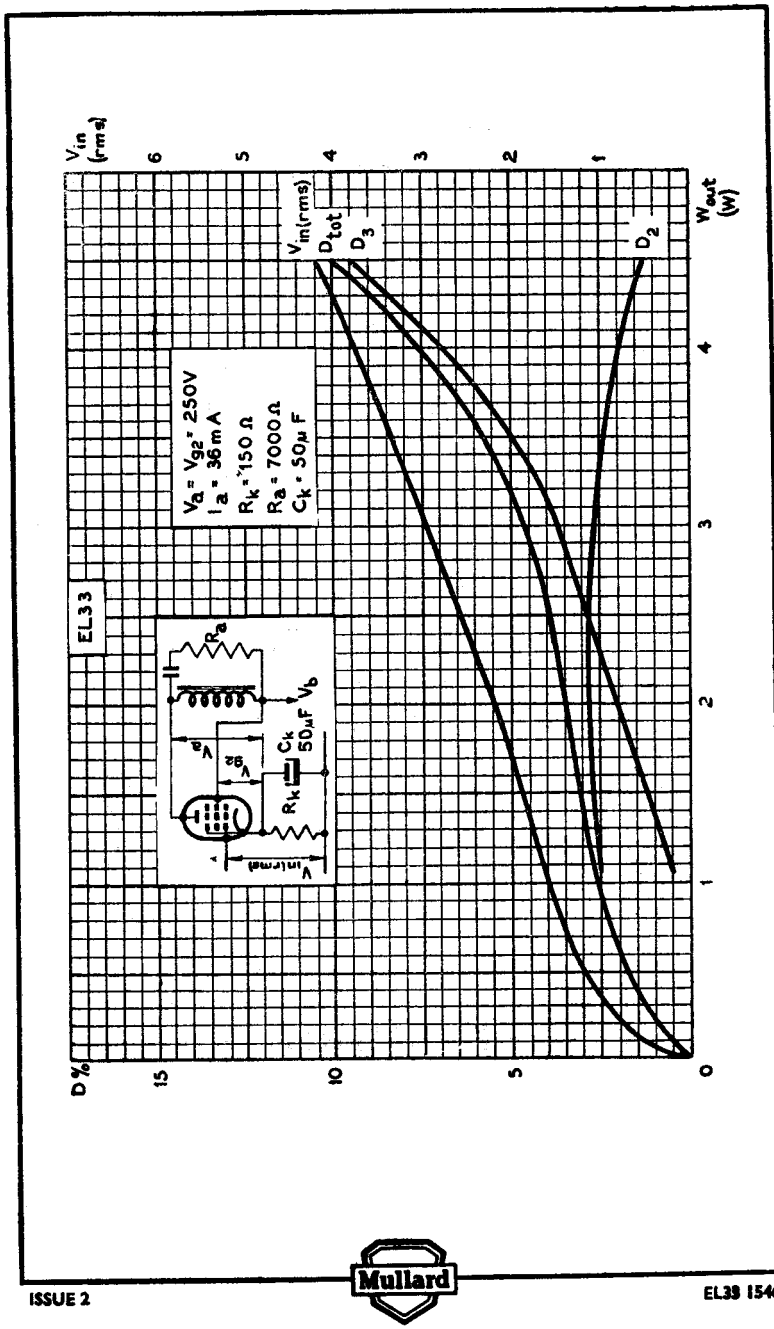
High-sensitivity output pentode for use in A.C. mains-operated equipment.



OUTPUT PENTODE

EL33

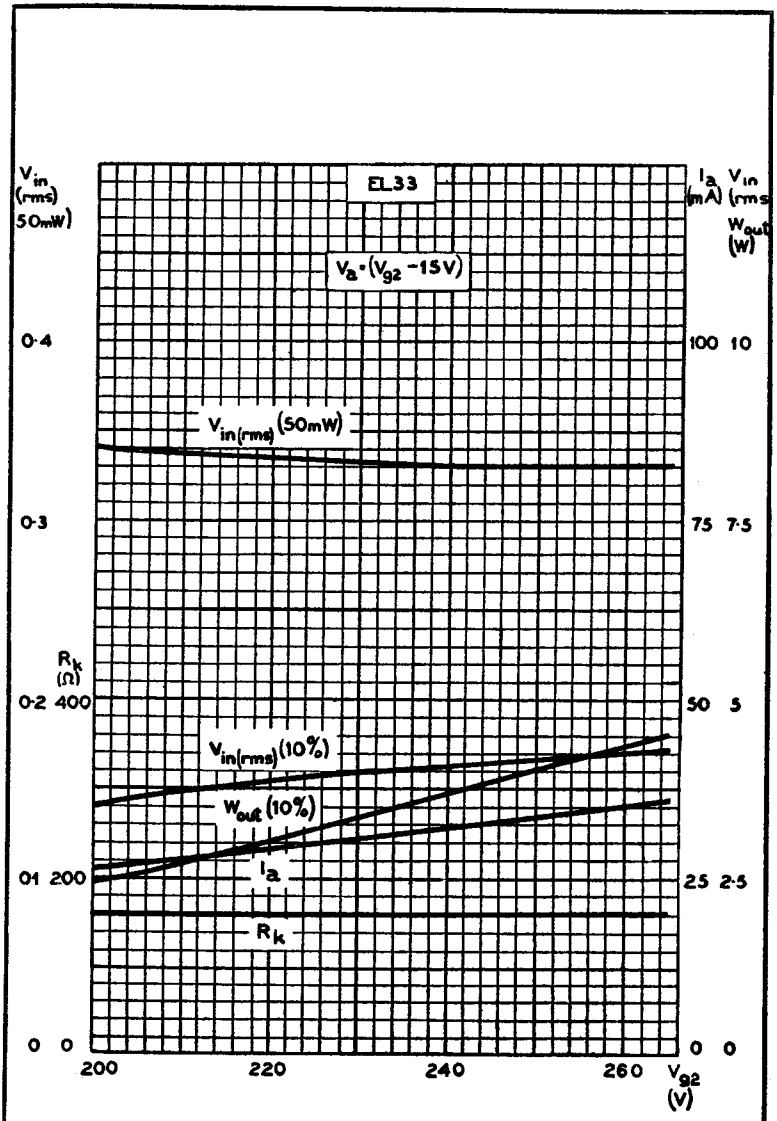
High-sensitivity output pentode for use in A.C. mains-operated equipment.



EL33

OUTPUT PENTODE

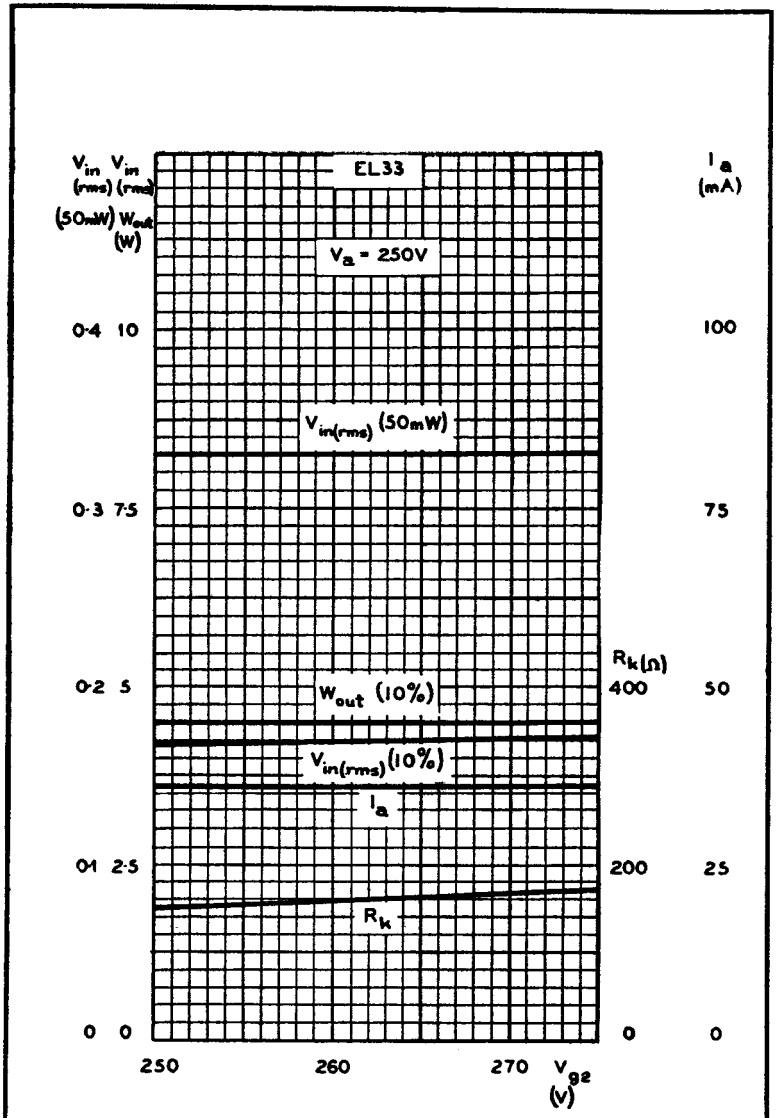
High-sensitivity output pentode for use in A.C. mains-operated equipment.



OUTPUT PENTODE

EL33

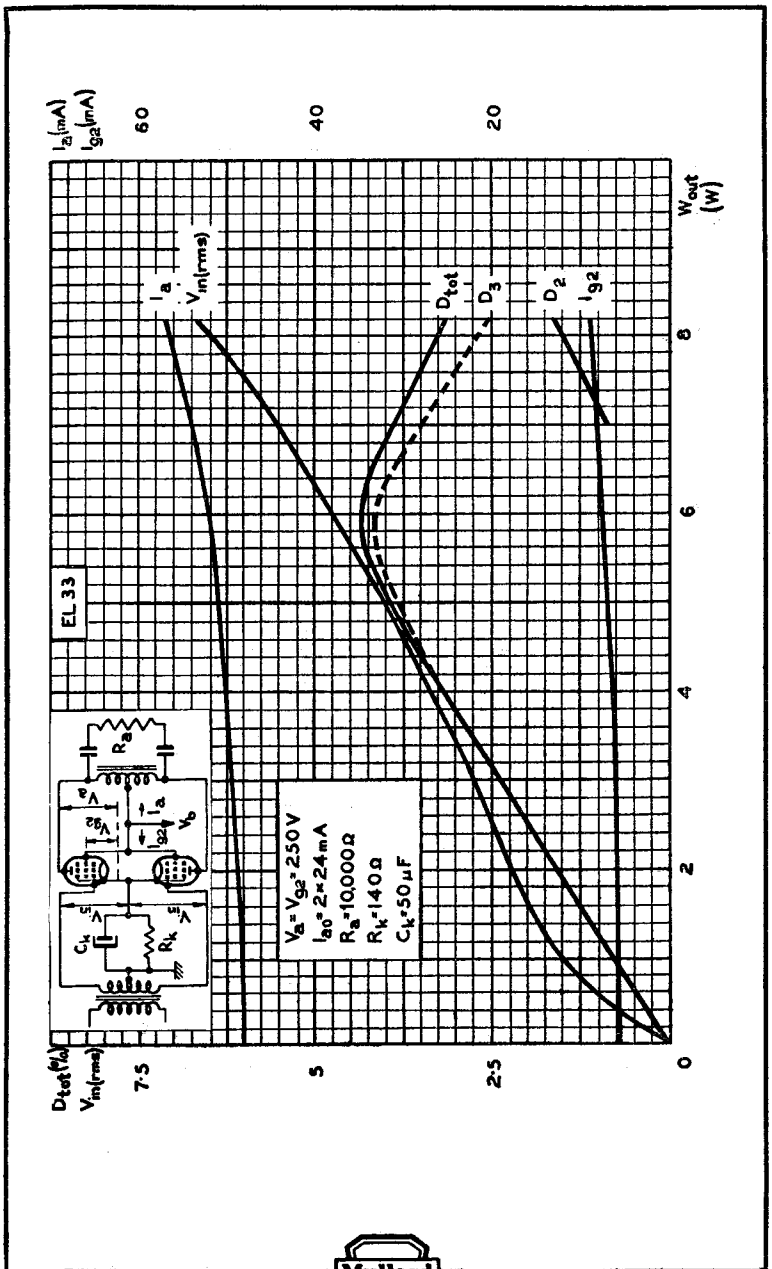
High-sensitivity output pentode for use in A.C. mains-operated equipment.



EL33

OUTPUT PENTODE

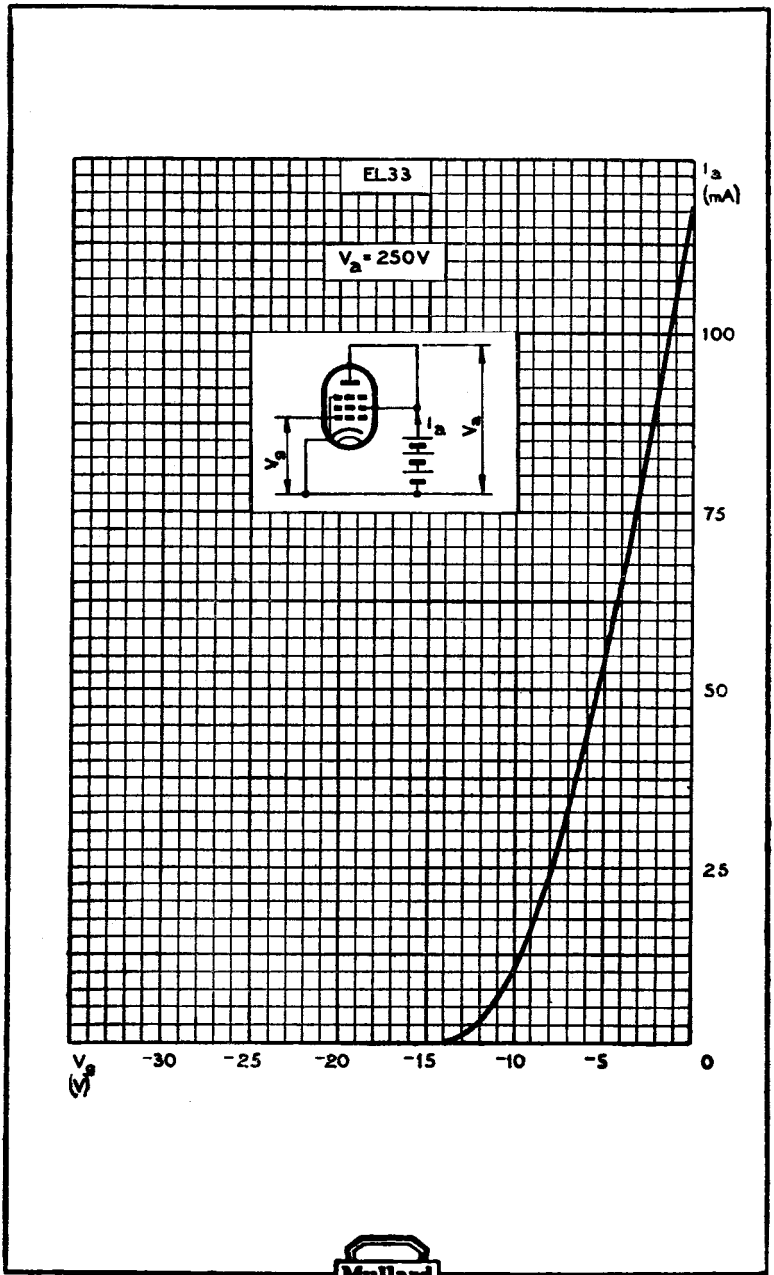
High-sensitivity output pentode for use in A.C. mains-operated equipment.



OUTPUT PENTODE

EL33

High-sensitivity output pentode for use in A.C. mains-operated equipment.



EL33

OUTPUT PENTODE

High-sensitivity output pentode for use in A.C. mains-operated equipment.