

VIDEO FREQUENCY PENTODE

EF55

Single-ended R.F. pentode with very high mutual conductance and sharp cut-off.

HEATER

V_h	6.3	V
I_h	1.0	A

CAPACITANCES

C_{out}	12	$\mu\mu F$
C_{in}	15	$\mu\mu F$
C_{a-g1}	0.15	$\mu\mu F$

OPERATING CONDITIONS

V_a	250	250	V
V_{g2}	250	150	V
V_{g1}	-4.5	-4.0	V
I_a	40	10	mA
I_{g2}	5.5	1.0	mA
R_k	100	360	Ω
g_m	12.0	7.0	mA/V
μ_{g1-g2}	28	27	
r_a	55	100	k Ω

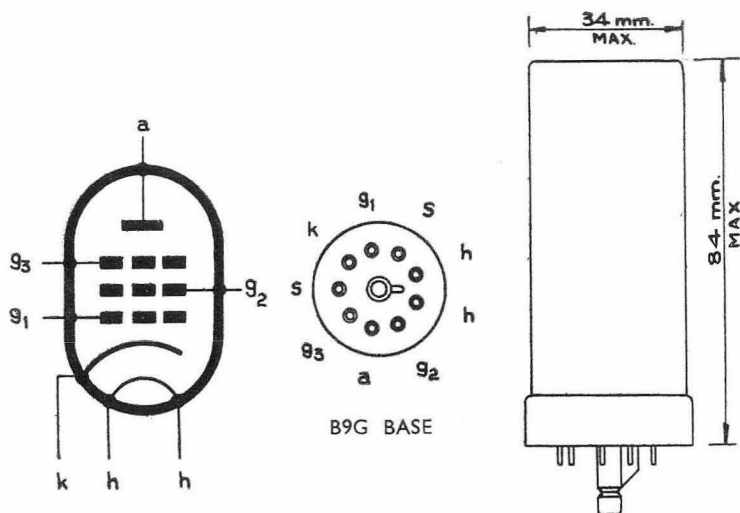
LIMITING VALUES

$V_{a(b)} \text{ max.}$	500	V
$V_a \text{ max.}$	300	V
$V_{g2(b)} \text{ max.}$	300	V
$V_{g2} \text{ max.}$	250	V
$p_a \text{ max.}$	10	W
$p_{g2} \text{ max.}$	2.0	W
$V_{h-k} \text{ max.}$	150	V
$R_{g1-k} \text{ max.}$	700	k Ω
$i_{k(pk)} \text{ max. (with 50 } \mu \text{ sec. pulse, 500 pp.s.)}$	1.5	A

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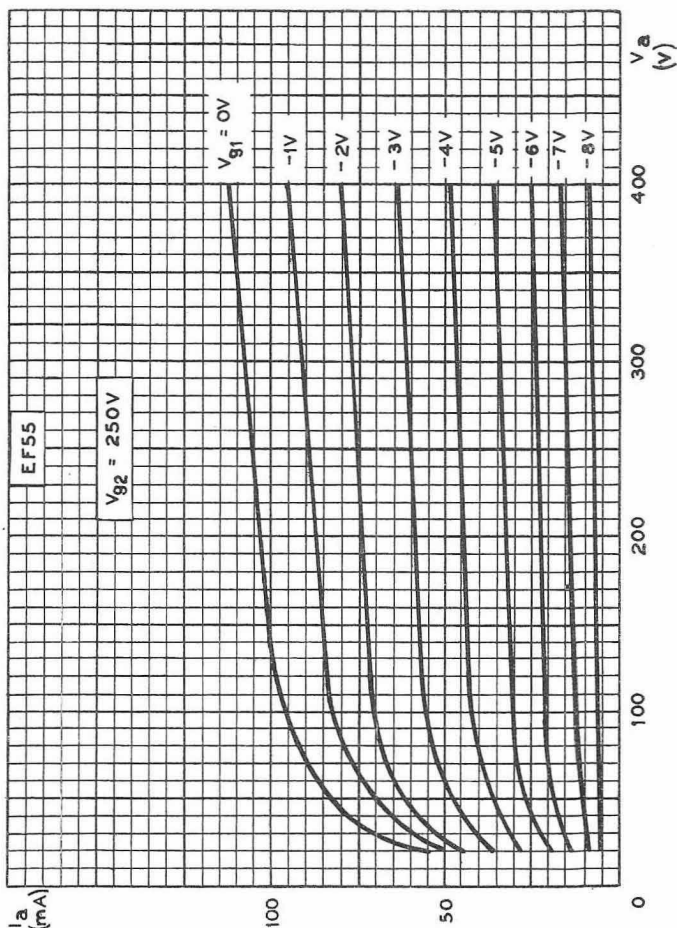


Note : If mounted horizontally, Pins 4 and 8 must be in a vertical plane.

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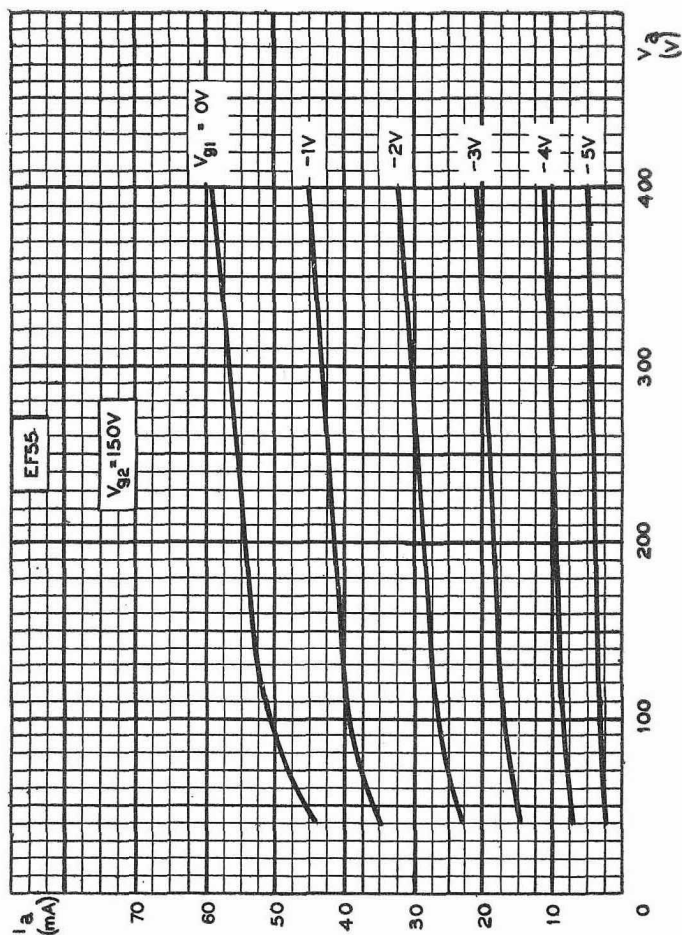


ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE
AT $V_{g2} = 250V$

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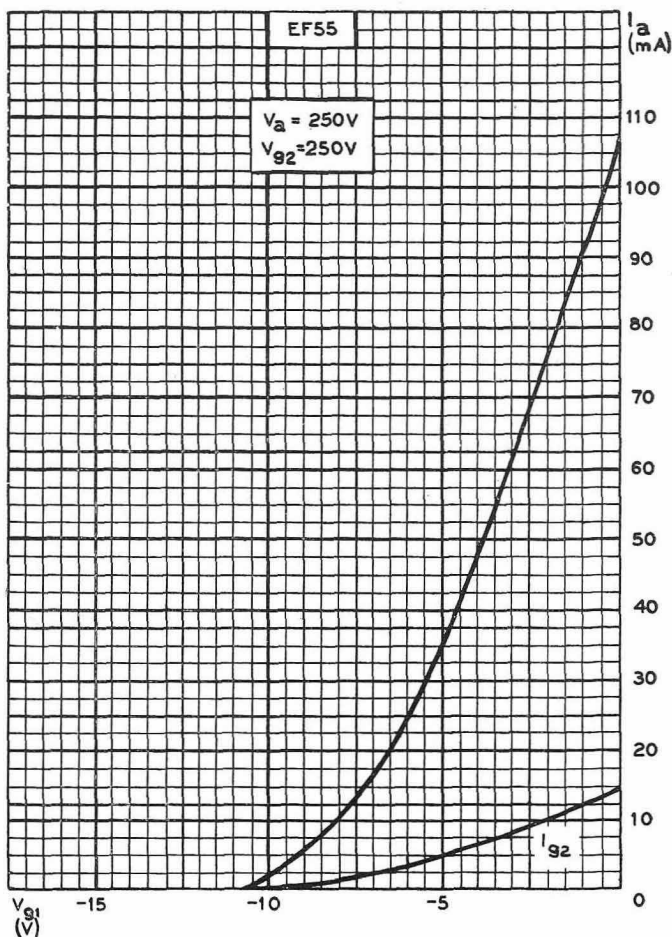


ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE
AT $V_{g2} = 150V$

VIDEO FREQUENCY PENTODE

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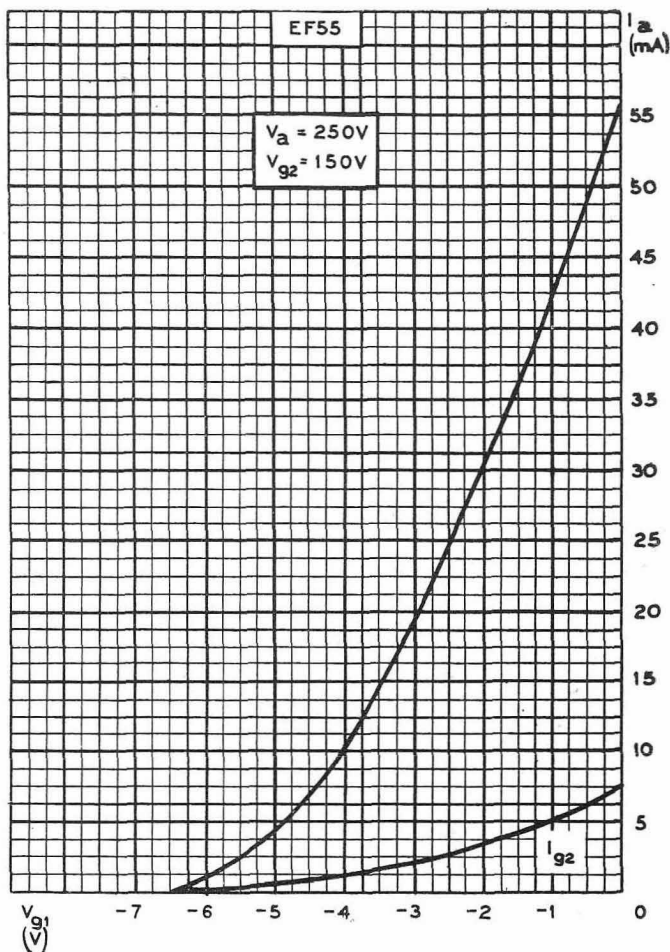


ANODE AND SCREEN-GRID CURRENTS PLOTTED AGAINST CONTROL-GRID VOLTAGE AT $V_{g2} = 250$ V

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VIDEO FREQUENCY PENTODE

Single-ended R.F. pentode with very high mutual conductance and sharp cut-off.



ANODE AND SCREEN-GRID CURRENTS PLOTTED AGAINST
CONTROL-GRID VOLTAGE AT $V_{g2} = 150V$