

SUBMINIATURE LOW MICROPHONY PENTODE

EF74

Voltage amplifying pentode primarily designed for low microphony applications.

HEATER

V_h	6.3	V
I_h	200	mA

To reduce the possibility of hum the heater should be operated from d.c.

MOUNTING POSITION

Any

Note – Direct soldered connections to the leads of this valve must be at least 5mm from the seal and any bending of the valve leads must be at least 1.5mm from the seal.

COOLING

In operation this valve may become very hot and therefore, in the interest of long life, it should be adequately cooled. A suitable method is to mount the valve in a metal clip which conducts the heat away to the chassis.

CAPACITANCES (measured with external shield)

C_{a-g1}	< 0.3	pF
C_{in}	3.6	pF
C_{out}	4.2	pF

CHARACTERISTICS

V_a	100	V
V_{g3}	0	V
V_{g2}	100	V
I_a	7.0	mA
I_{g2}	2.4	mA ←
V_{g1}	-1.4	V
g_m	3.1	mA/V ←
r_a	200	kΩ ←
μ_{g1-g2}	28	

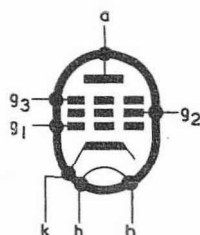
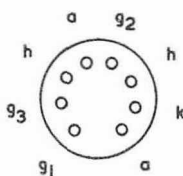
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LIMITING VALUES

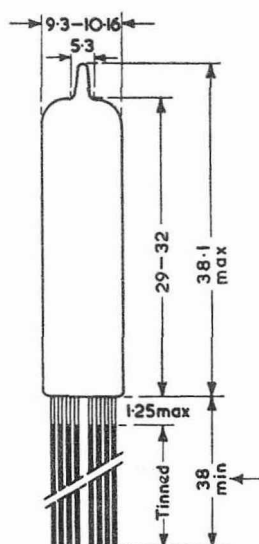
$V_{a(b)}$ max.	300	V
V_a max.	175	V
$V_{g2(b)}$ max.	300	V
V_{g2} max.	175	V
p_a max.	900	mW ←
p_{g2} max.	350	mW ←
I_k max.	10	mA
R_{g1-k} max. (cathode bias)	3.0	MΩ
R_{g1-k} max. (fixed bias)	1.0	MΩ
V_{h-k} max.	100	V



B8D/F Base

3326

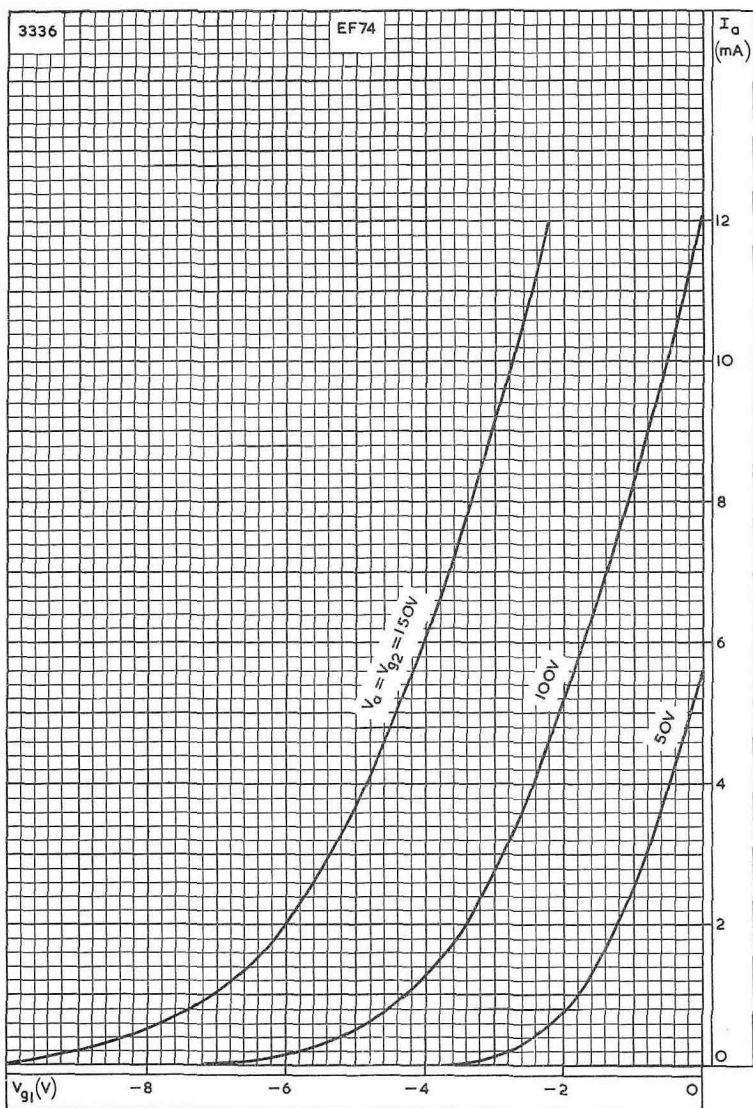
All dimensions in mm



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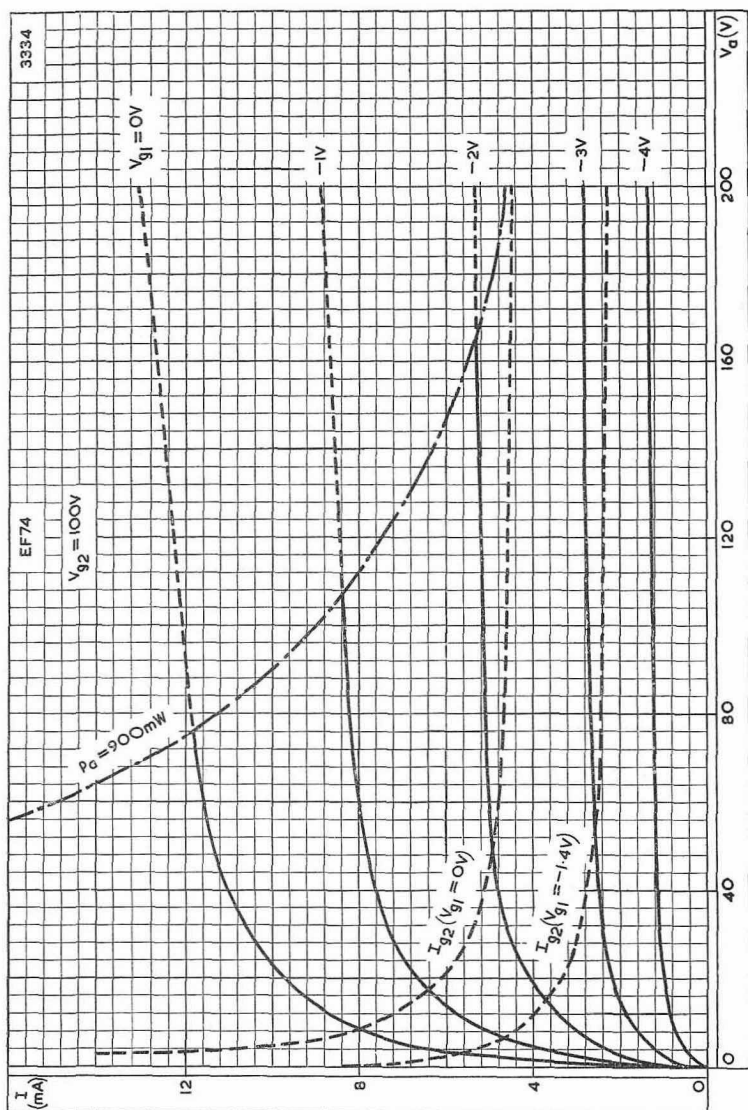


ANODE CURRENT PLOTTED AGAINST CONTROL-GRID VOLTAGE WITH
ANODE AND SCREEN-GRID VOLTAGE AS PARAMETER

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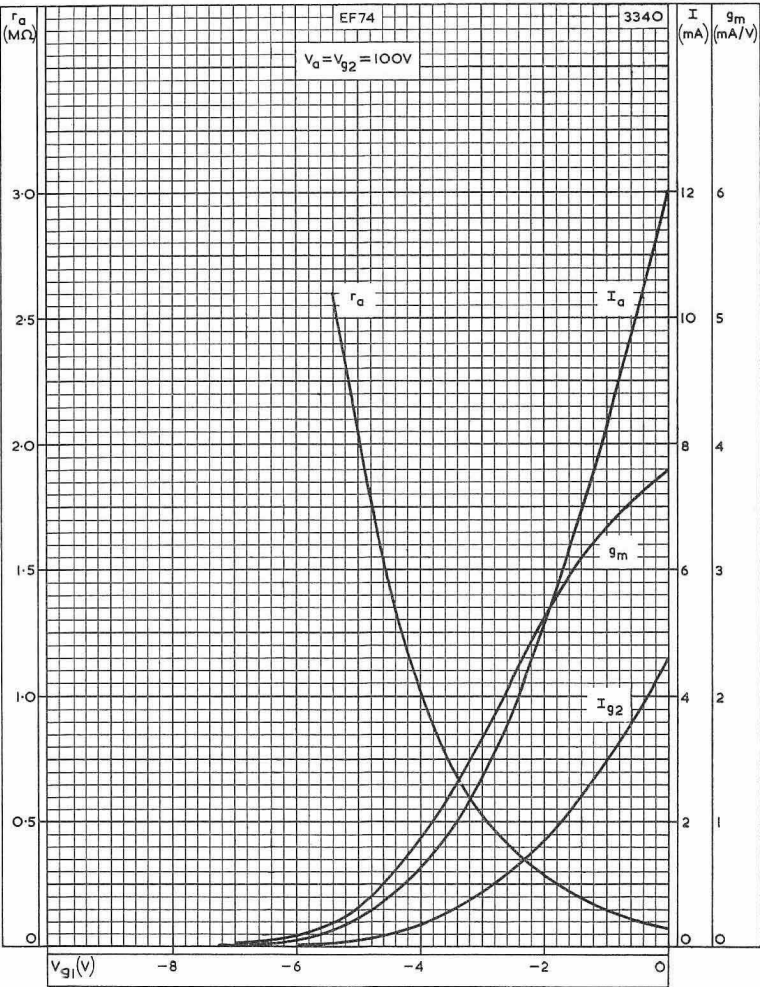


ANODE CURRENT AND SCREEN-GRID CURRENT PLOTTED AGAINST ANODE VOLTAGE WITH CONTROL-GRID VOLTAGE AS PARAMETER

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ANODE AND SCREEN-GRID CURRENTS, MUTUAL CONDUCTANCE AND
ANODE IMPEDANCE PLOTTED AGAINST CONTROL-GRID VOLTAGE



