

VARIABLE-MU R.F. PENTODE

EF92

Variable-mu r.f. pentode for use as a controlled r.f. or i.f. amplifier.

HEATER

V_h	6.3	V
I_h	200	mA

CAPACITANCES

	Unshielded	Shielded	←
C_{in}	4.8	5.0	pF
C_{out}	6.3	6.5	pF
C_{a-g1}	< 15	< 10	mpF
C_{h-k}	2.3	2.3	pF

CHARACTERISTICS

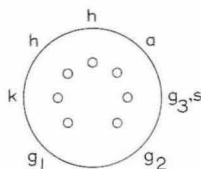
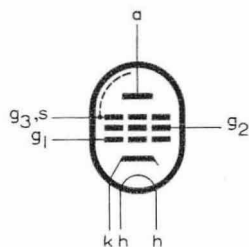
V_a	200	V
V_{g2}	200	V
V_{g3}	0	V
I_a	8.25	mA
I_{g2}	2.1	mA
V_{g1}	-2.5	V
g_m	2.45 mA/V	
r_a	900	kΩ
μ_{g1-g2}	30	
V_{g1} (for 100 : 1 reduction in g_m)	-27	V

LIMITING VALUES

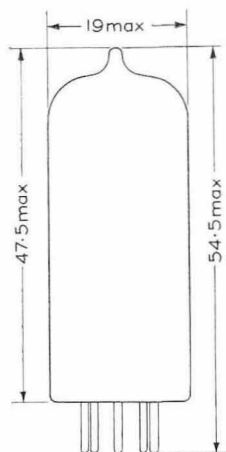
$V_{a(b)}$ max.	500	V←
V_a max.	250	V
p_a max.	2.5	W
$V_{g2(b)}$ max.	500	V←
V_{g2} max.	250	V
p_{g2} max.	600	mW
$-V_{g1}$ max.	50	V←
I_k max.	12	mA
R_{g1-k} max.	100	kΩ←
V_{h-k} max.	100	V
T_{bulb} max.	170	°C←

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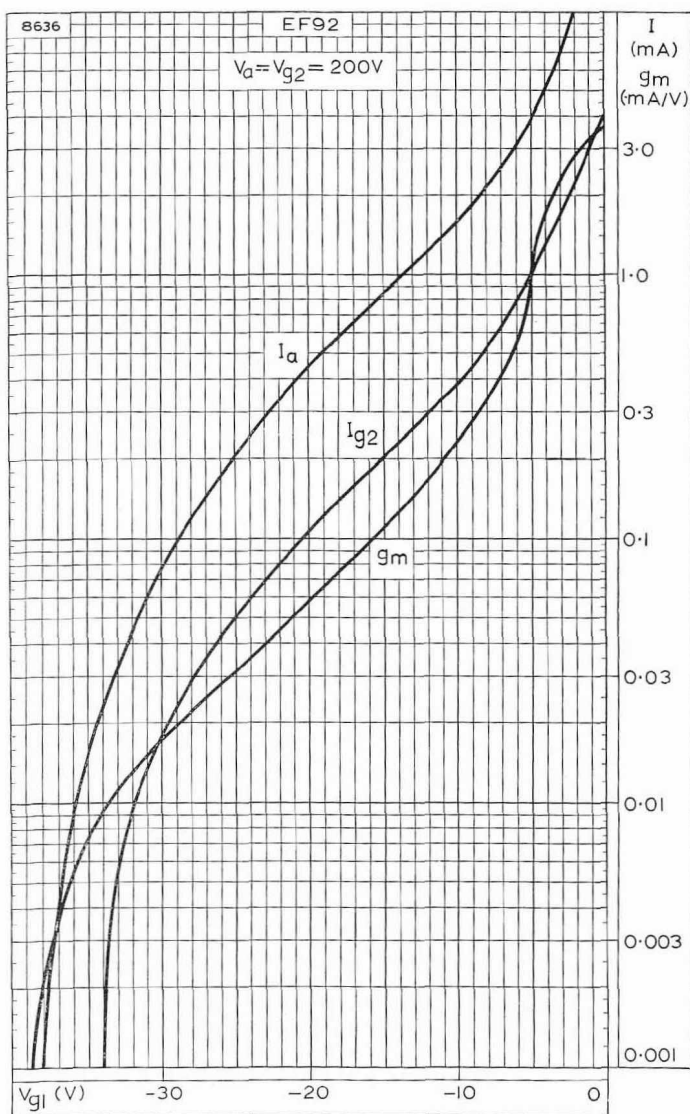


B7G Base

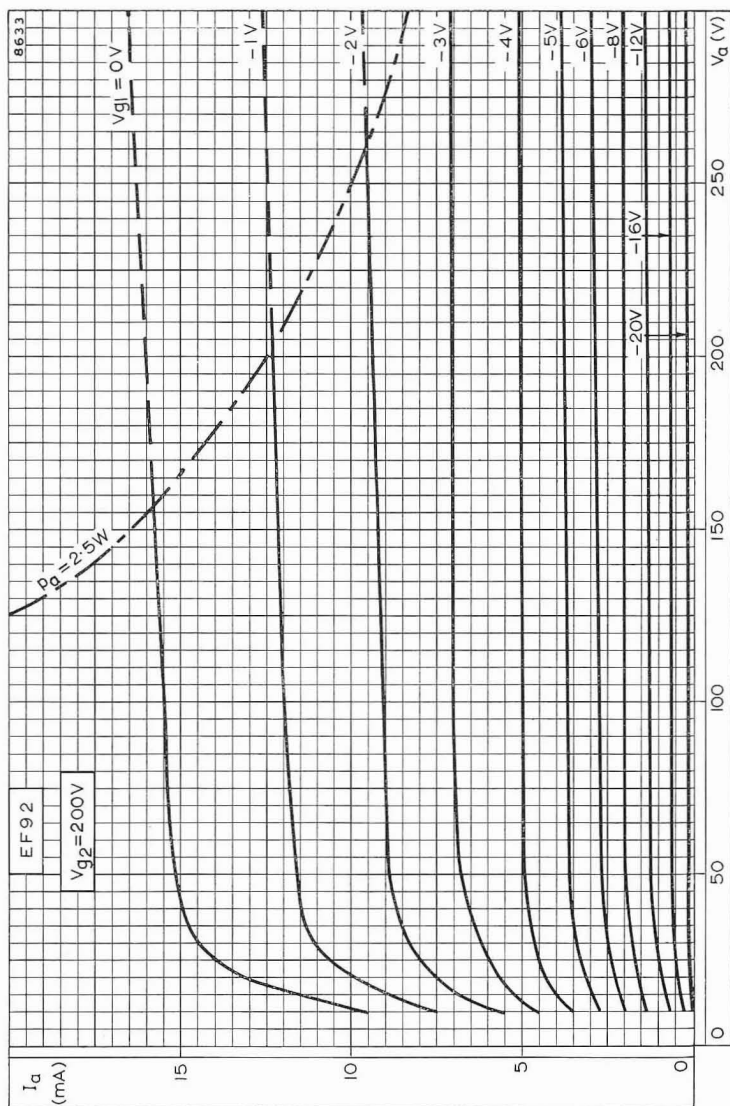


All dimensions in mm

8723

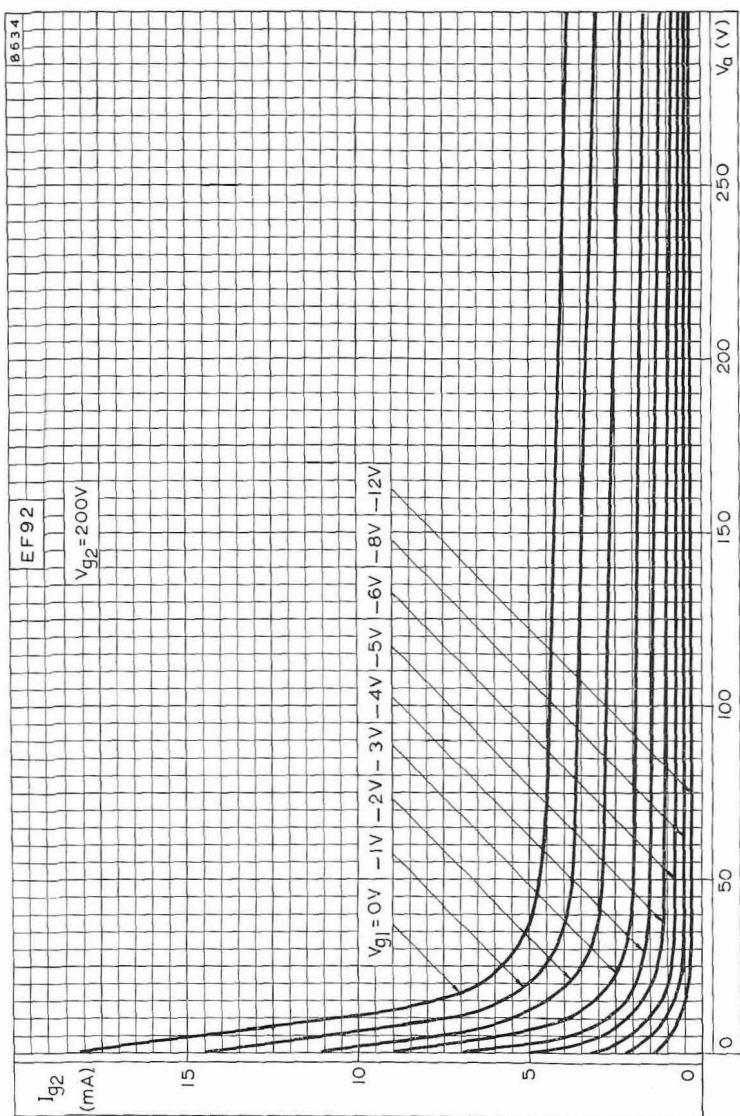


ANODE CURRENT, SCREEN-GRID CURRENT AND MUTUAL CONDUCTANCE PLOTTED AGAINST CONTROL-GRID VOLTAGE.
 $V_a = V_{g2} = 200V$



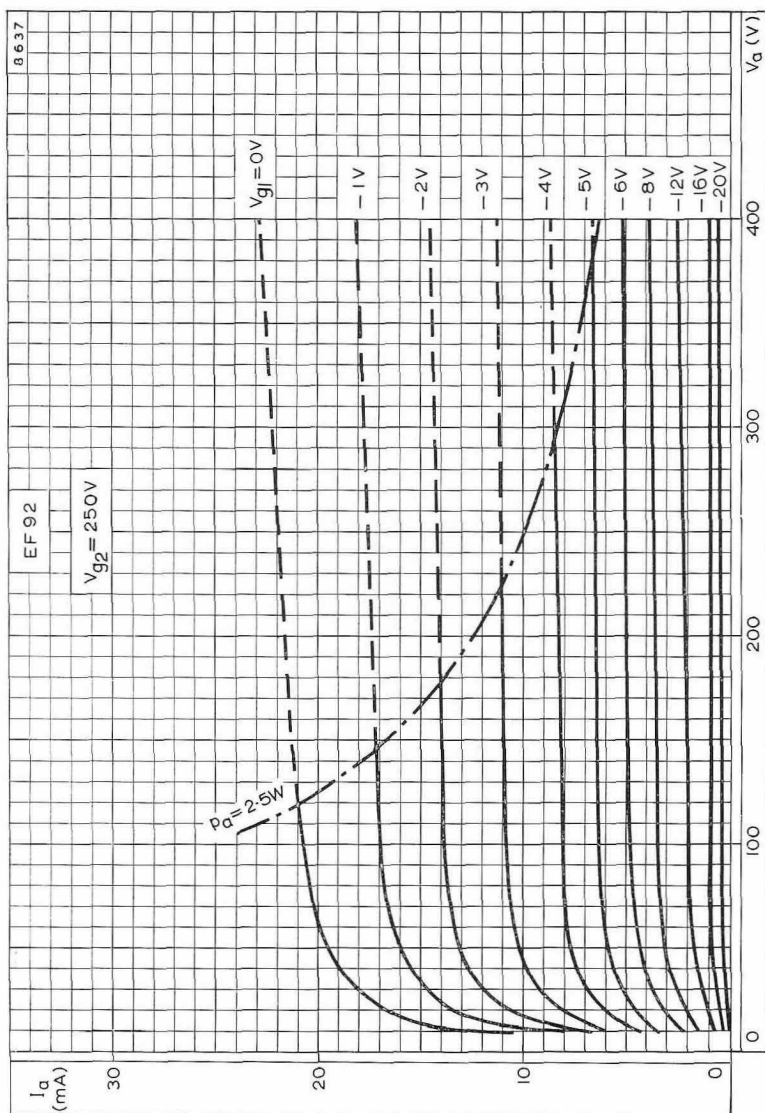
ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE WITH
CONTROL-GRID VOLTAGE AS PARAMETER.

$V_{g2} = 200V$



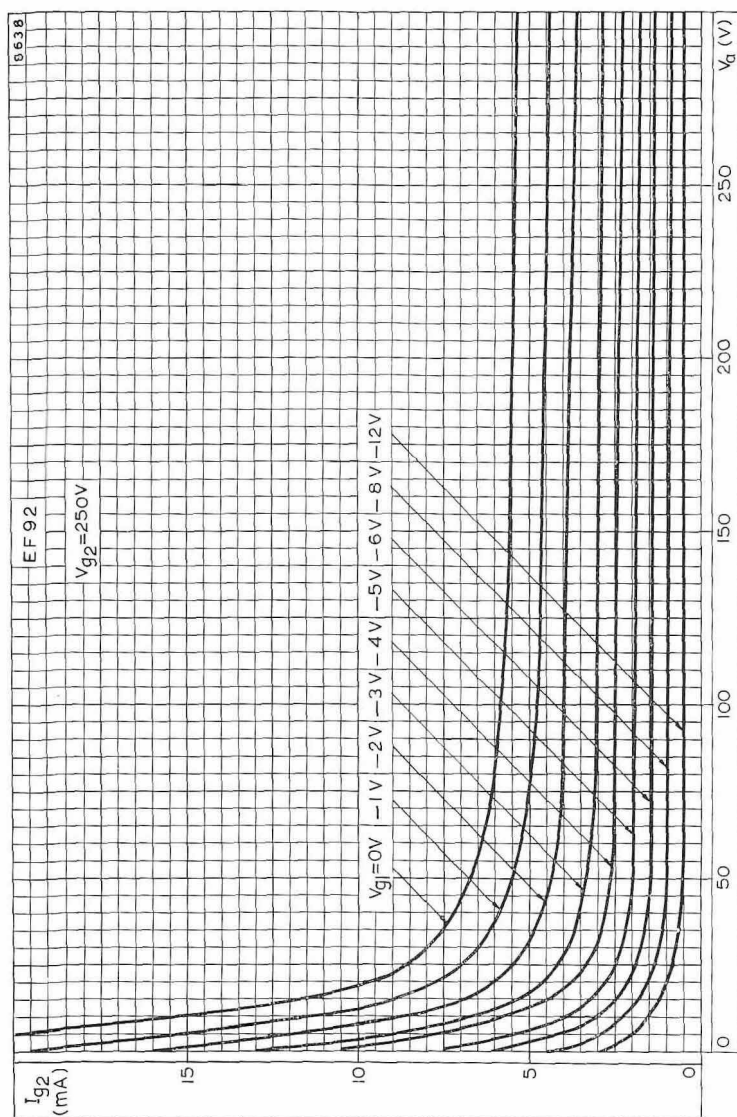
SCREEN-GRID CURRENT PLOTTED AGAINST ANODE VOLTAGE
 WITH CONTROL-GRID VOLTAGE AS PARAMETER.

$V_{g2} = 200V$



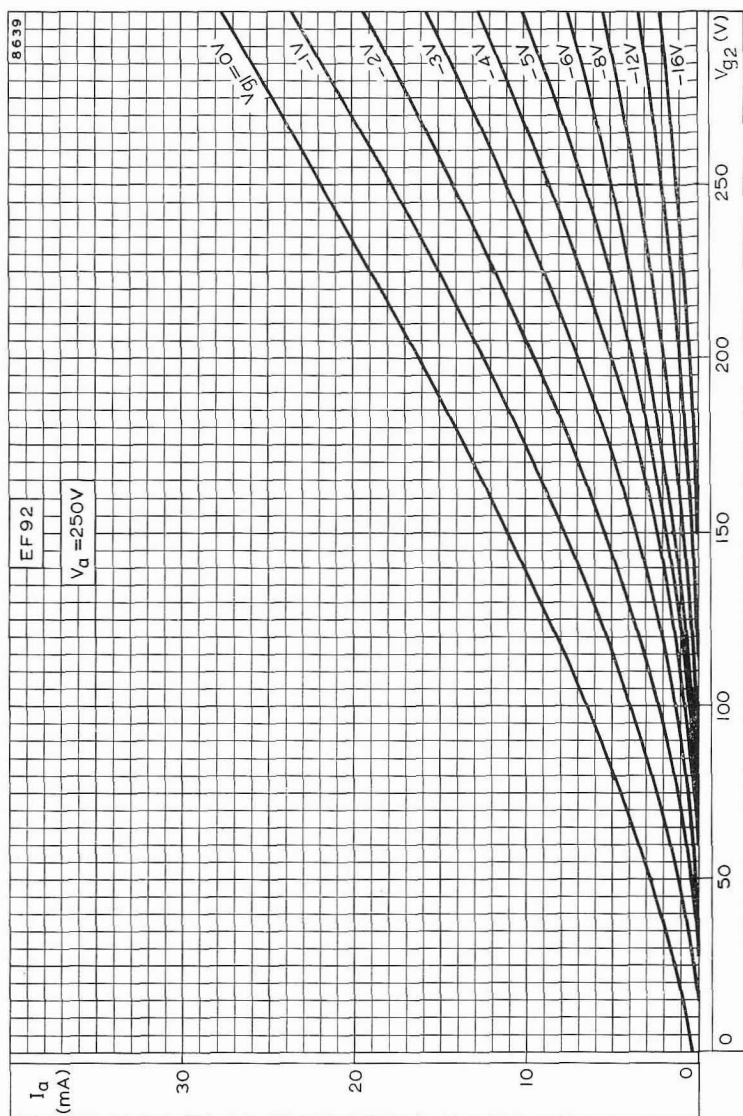
ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE
WITH CONTROL-GRID VOLTAGE AS PARAMETER.

$V_{g2} = 250V$



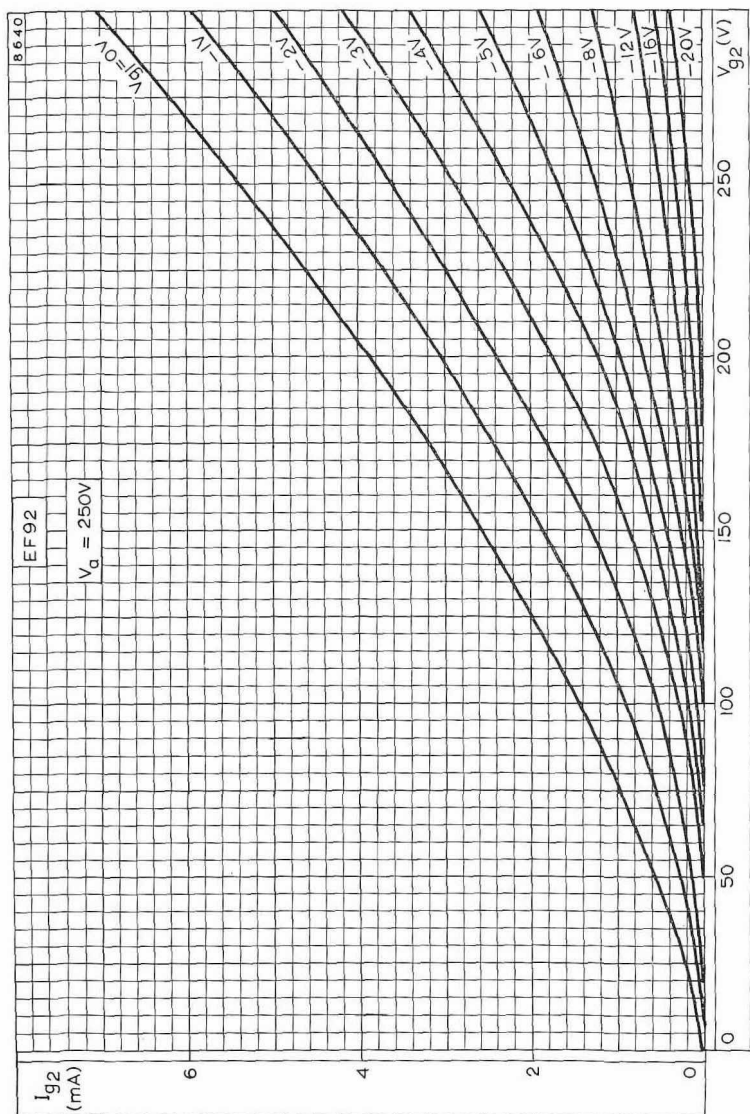
SCREEN-GRID CURRENT PLOTTED AGAINST ANODE VOLTAGE
WITH CONTROL-GRID VOLTAGE AS PARAMETER.

$V_{g2} = 250V$



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

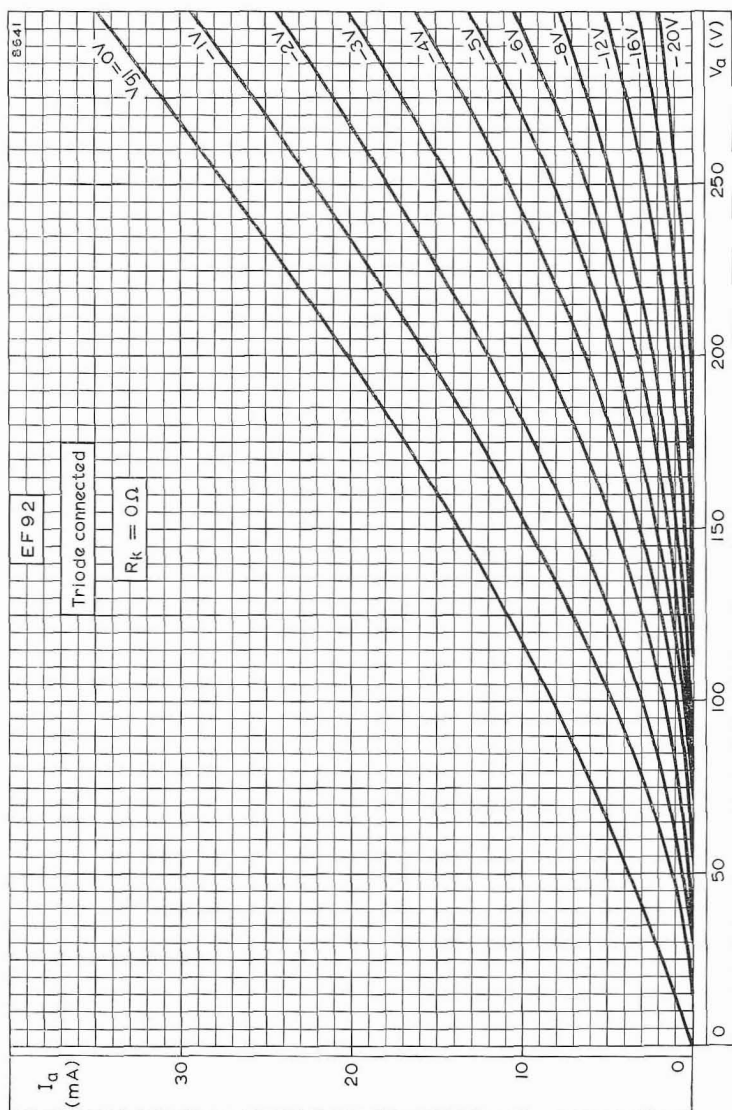
$V_a = 250V$



SCREEN-GRID CURRENT PLOTTED AGAINST SCREEN-GRID VOLTAGE
 WITH CONTROL-GRID VOLTAGE AS PARAMETER.
 $V_a = 250V$

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VARIABLE-MU R.F. PENTODE



ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE
WITH CONTROL-GRID VOLTAGE AS PARAMETER,
WHEN TRIODE CONNECTED