

SHORT WAVE R.F. PENTODE

EF54

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

HEATER

V_h	6.3	V
I_h	0.3	A

CAPACITANCES

c_{in}	6.2	$\mu\mu F$
c_{out}	4.9	$\mu\mu F$
c_{a-g_1}	0.02	$\mu\mu F$
$c_{g_1-g_2}$	2.2	$\mu\mu F$

OPERATING CONDITIONS

V_a	250	V
V_{g_2}	250	V
V_{g_1}	-1.7	V
R_k	150	Ω
I_a	10	mA
I_{g_2}	1.45	mA
g_m	7.7	mA/V
r_a	0.5	M Ω
$\mu_{g_1-g_2}$	80	
Equivalent Noise Resistance	700	Ω
Input Resistance (at 50 Mc/s)	10,000	Ω

LIMITING VALUES

$V_{a(b)} \text{ max}$	550	V
$V_a \text{ max}$	300	V
$W_a \text{ max}$	3	W
$V_{g_2(b)} \text{ max}$	550	V
$V_{g_2} \text{ max}$	300	V
$W_{g_2} \text{ max}$	1.7	W
$I_k \text{ max}$	15	mA
$V_{g_1} \text{ max} (I_{g_1}=+0.3\mu A)$	-1.3	V
$R_{g_1} \text{ max}$	3	M Ω
$V_{h-k} \text{ max}$	100	V
$R_{h-k} \text{ max}$	20,000	Ω
Max. Operating Frequency	250	Mc/s

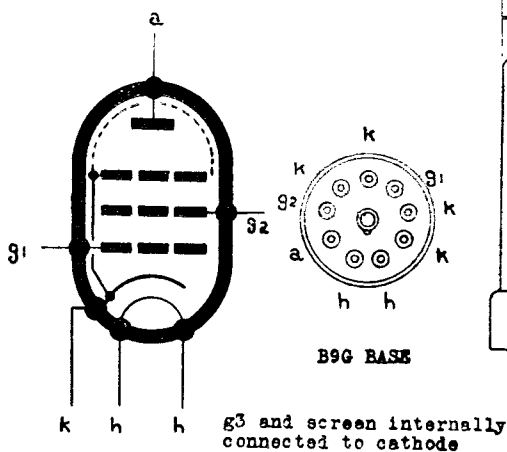


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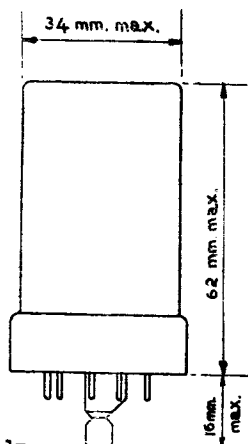
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ARRANGEMENT OF ELECTRODES
AND BASE CONNECTIONS



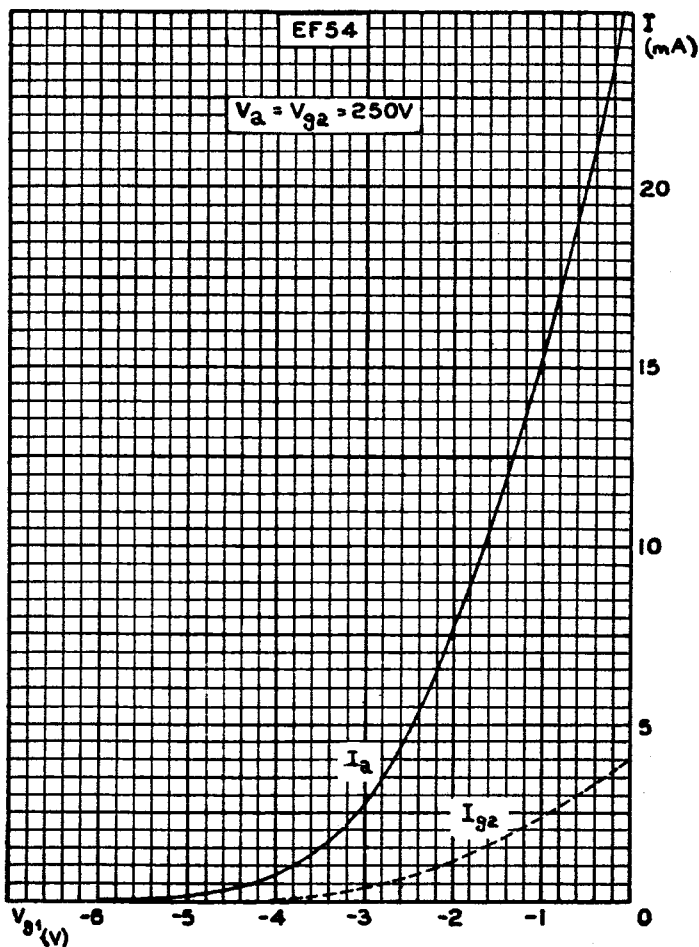
DIMENSIONS



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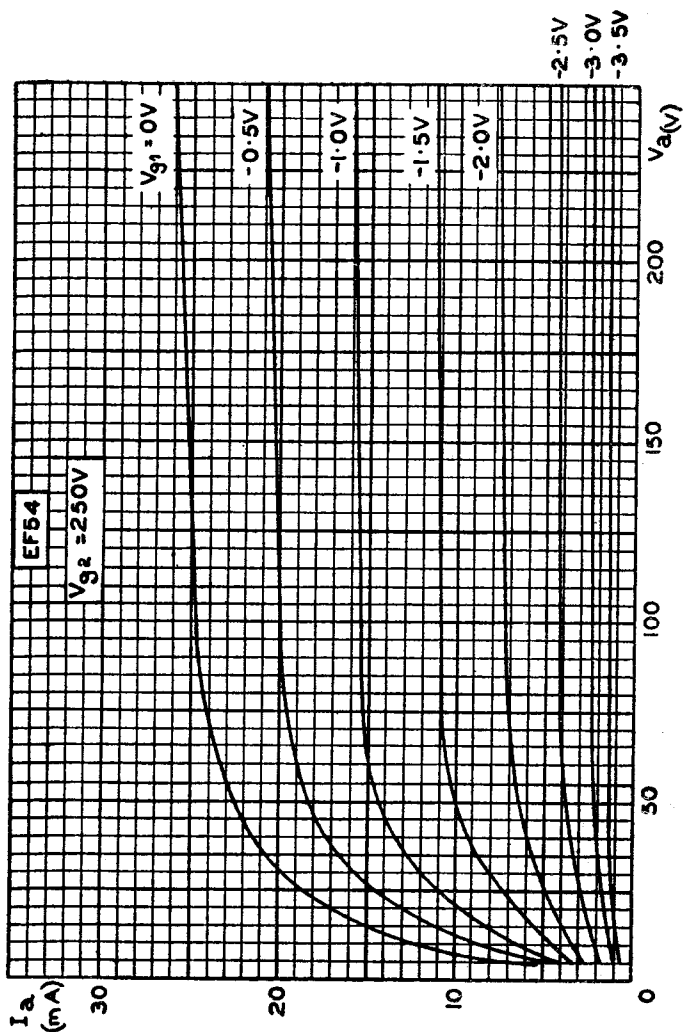
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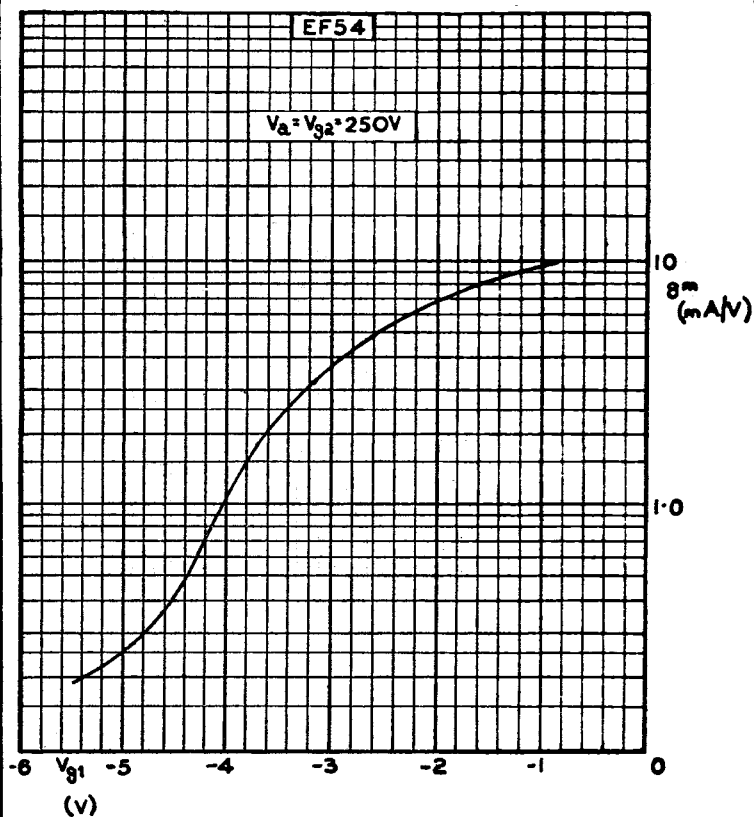
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