

MINIATURE DIODE PENTODE

DAF91

Short grid-base pentode, particularly suitable for A.F. voltage amplification, combined with a single diode.

FILAMENT

This valve is suitable for D.C. operation only.

V_f	1.4	V
I_f	0.05	A

CAPACITANCES

C_{a-g1}	0.2	μF
C_{in}	2.2	μF
C_{out}	2.4	μF

OPERATING CONDITIONS AS R.F. OR I.F. AMPLIFIER

V_a	67.5	V
V_{g2}	67.5	V
V_{g1}	0	V
I_a	1.6	mA
I_{g2}	0.4	mA
S_m	625	$\mu A/V$
r_a	0.6	M.ohms approx.

OPERATING CONDITIONS AS RESISTANCE-COUPLED A.F. AMPLIFIER

V_a	45	67.5	90	V
V_{g2}	45	67.5	90	V
V_{g1}	0	0	0	V
R_a	1.0	1.0	1.0	M.ohm
R_{g2}	3.0	3.0	3.0	M.ohms
C_{g2-k}	0.1	0.1	0.1	μF
R_{g1}	10	10	10	M.ohms
V_{out}	30	40	50	approx.
V_{in}				

DIODE SECTION

The diode anode is located at the negative end of the filament.



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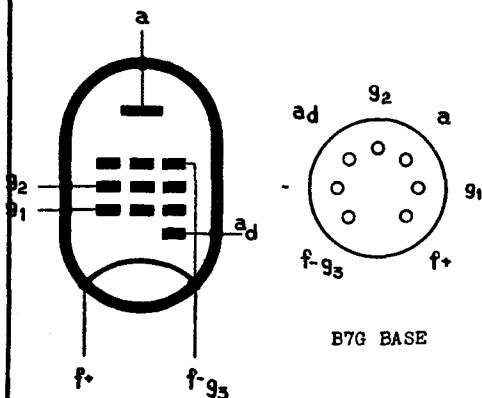
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LIMITING VALUES

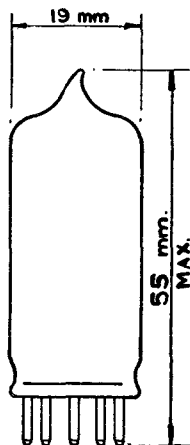
V_a max.	90	V
V_{g2} max.	90	V
V_{g1} max.	0	V
I_k max.	4,5	mA

ARRANGEMENT OF ELECTRODES AND BASE CONNECTIONS



B7G BASE

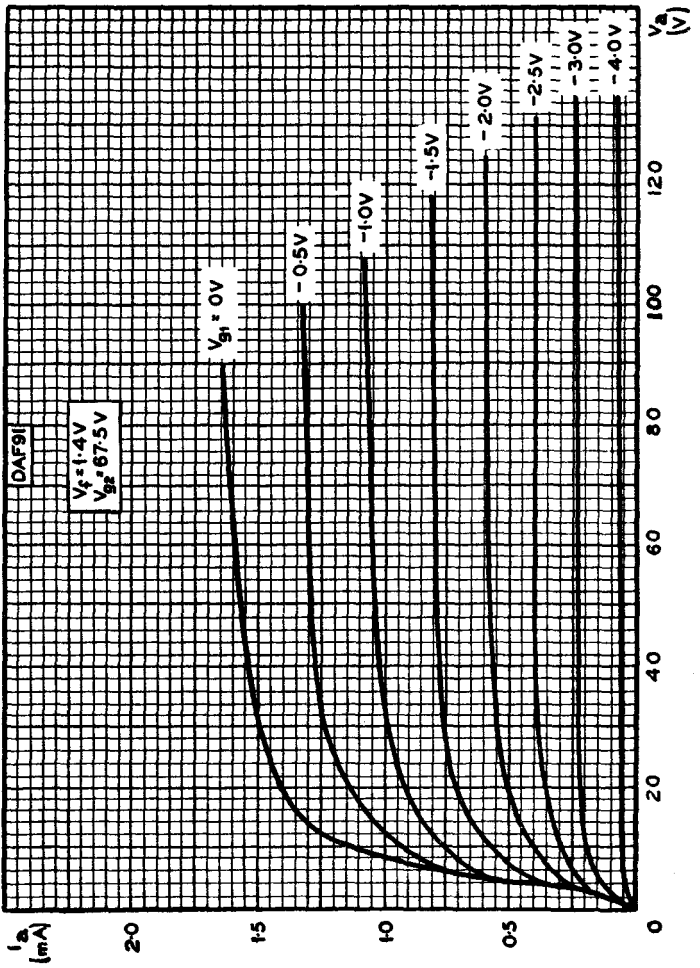
DIMENSIONS



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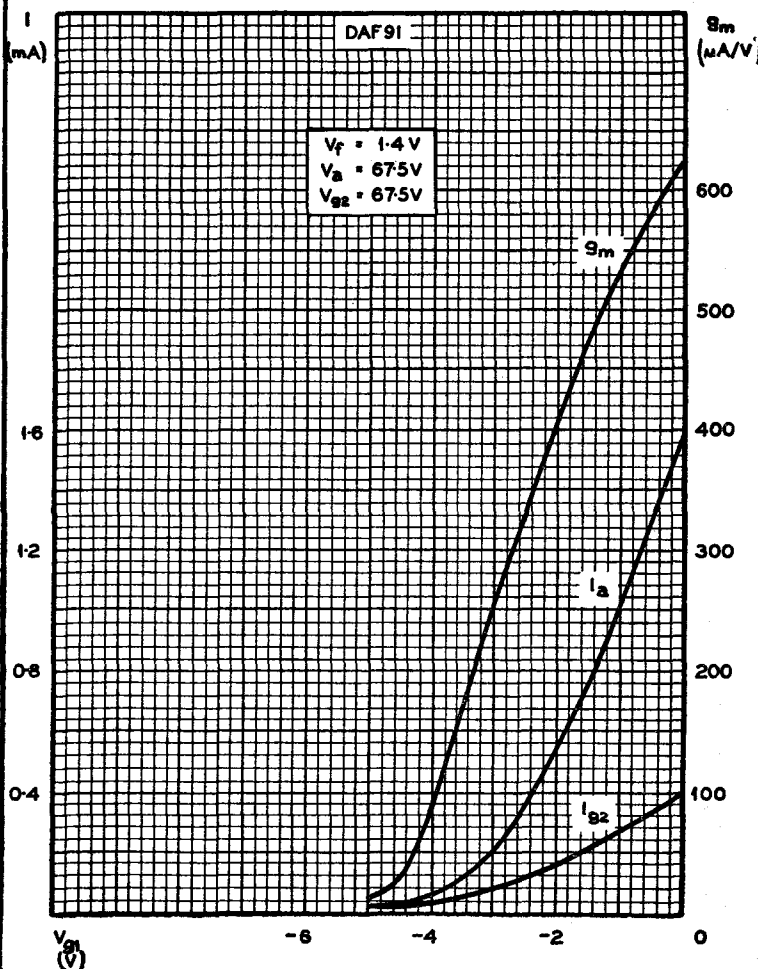
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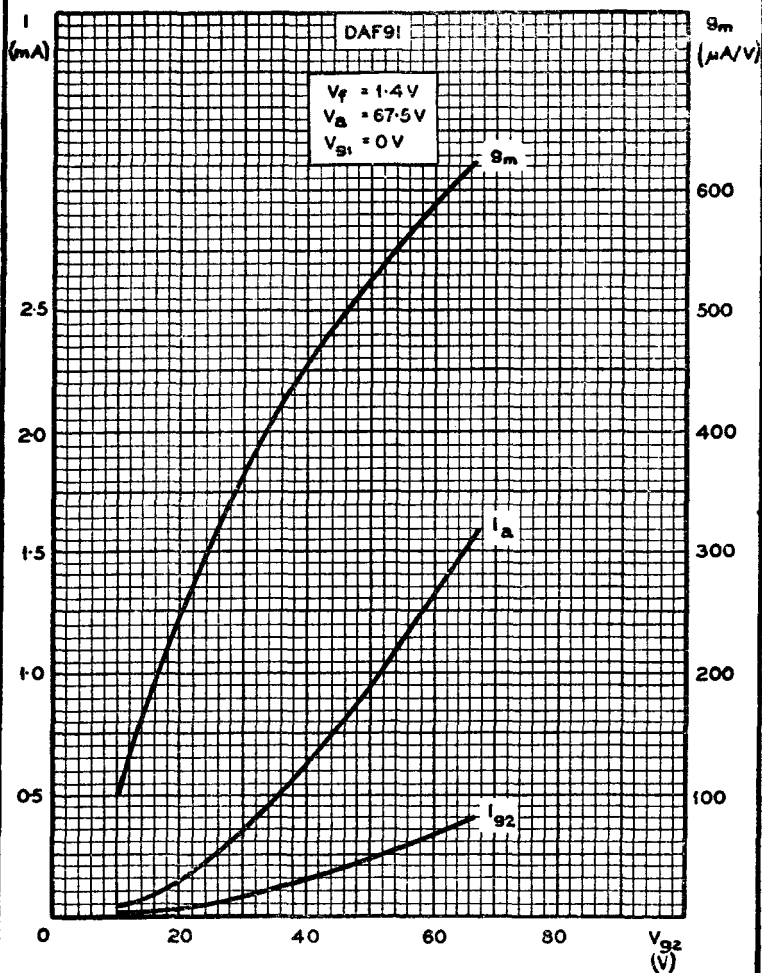
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