

# 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	$\mu\mu F$
$C_{in}$	2.2	$\mu\mu F$
$C_{out}$	2.4	$\mu\mu F$

## 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	$\mu F$
$R_{g1}$	10	10	10	M.ohms
$\frac{V_{out}}{V_{in}}$	30	40	50	approx.

## DIODE SECTION

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



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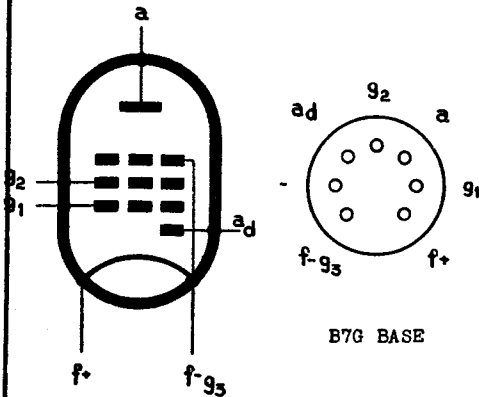
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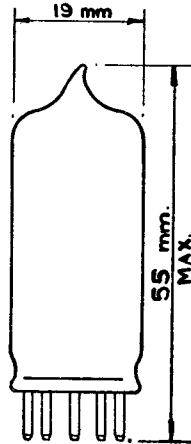
### LIMITING VALUES

$V_a$ 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



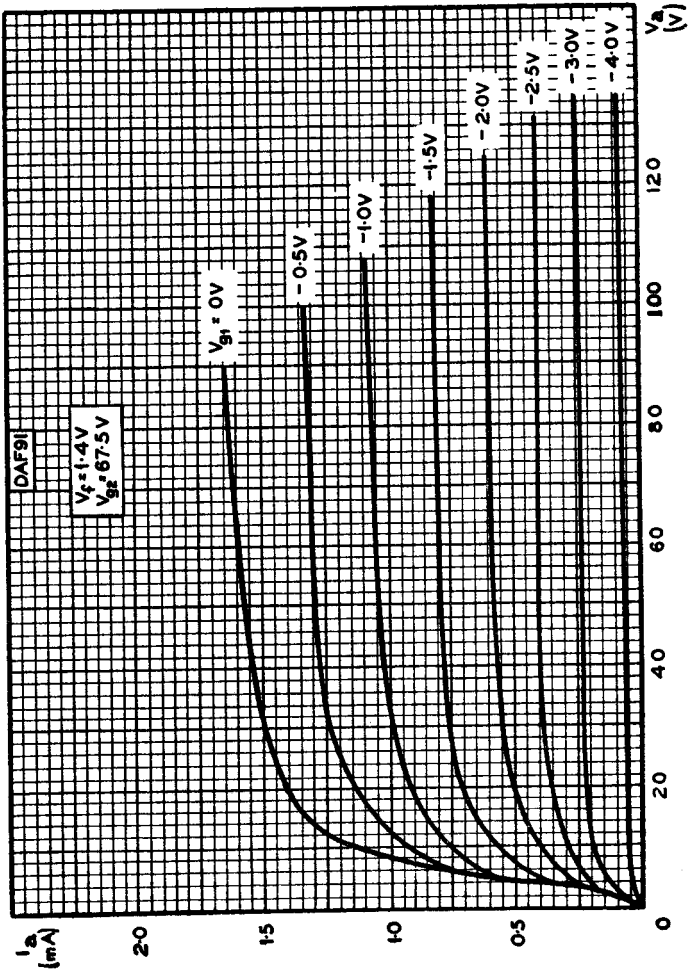
### DIMENSIONS



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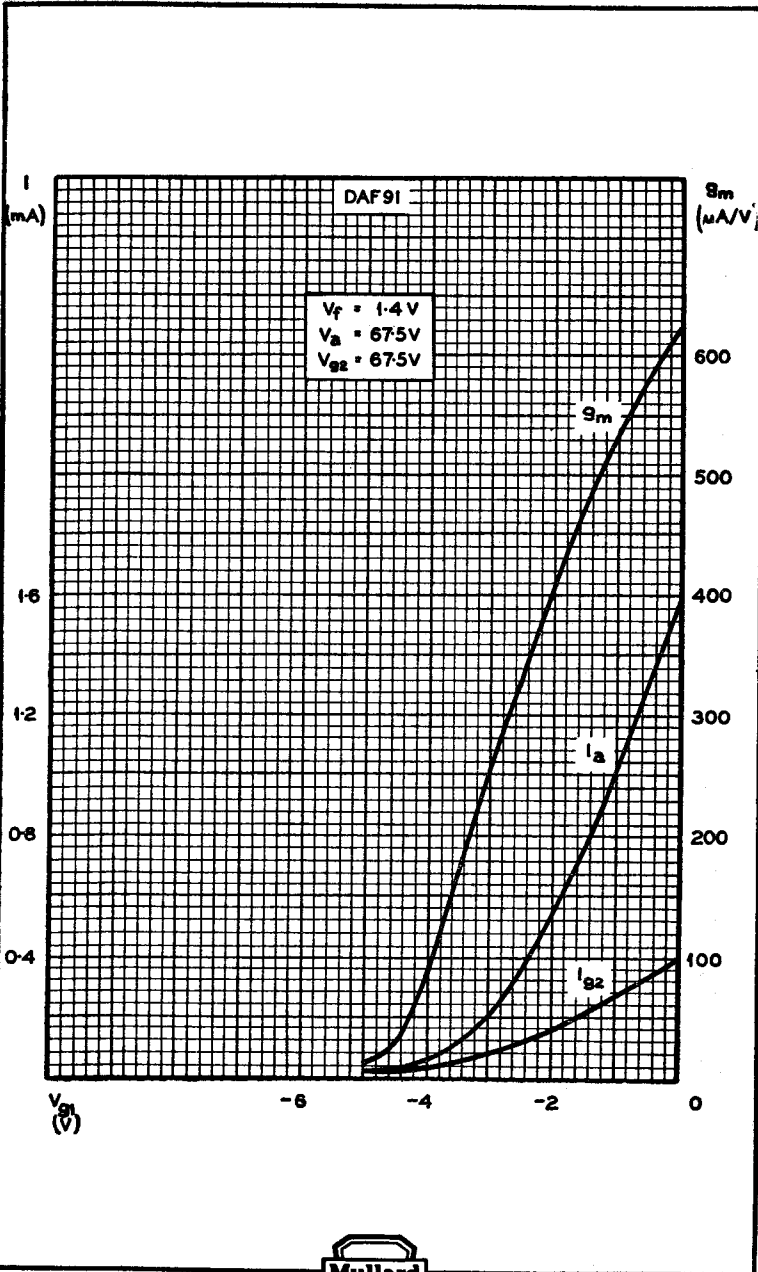
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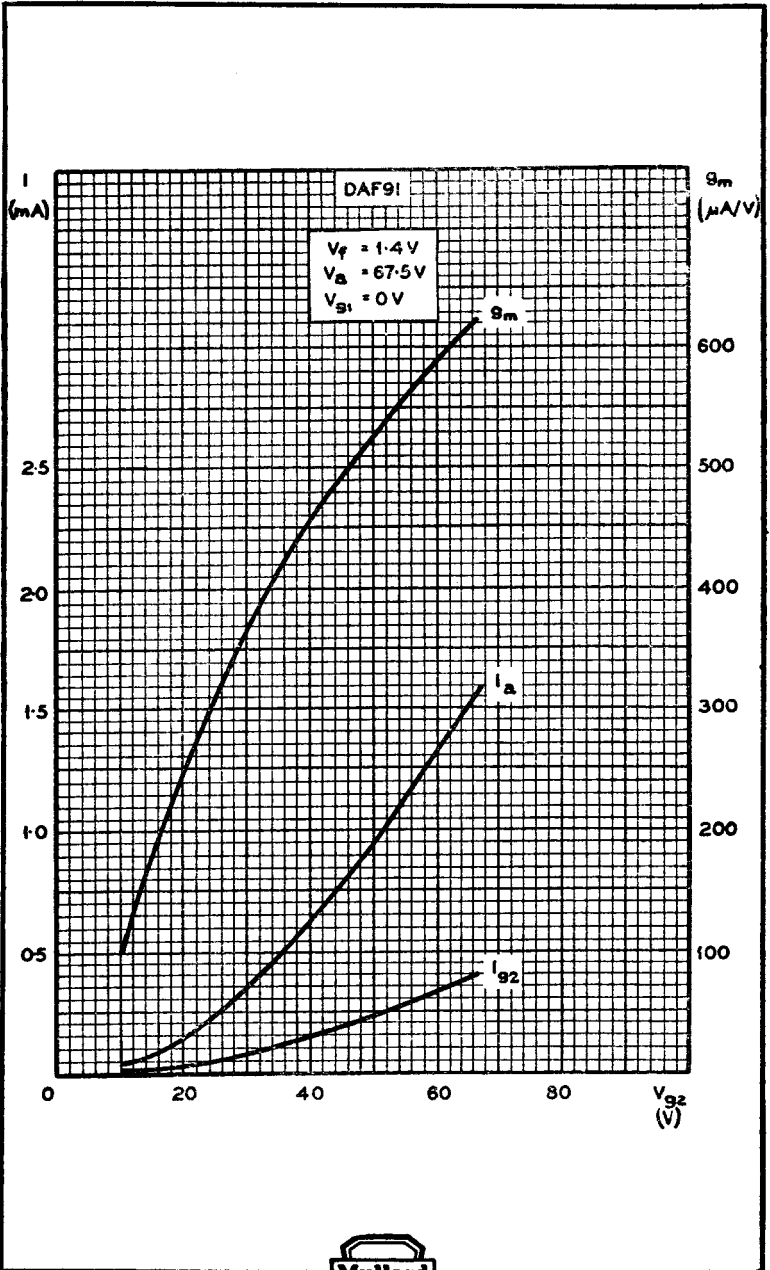
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