SUBMINIATURE OUTPUT PENTODE

DL75

Subminiature output pentode suitable for battery operation with an h.t. supply of 90V.

FILAMENT

V_f	1.25	V
I_f	25	mA

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.

CAPACITANCES (measured with external shield)

c_{a-g1}	0.1	pF
c_{in}	2.6	pF
c_{out}	5.9	pF

CHARACTERISTICS

V_a	90	V
V_{g2}	90	V
I_a	1.75	mA
I_{g2}	400	μA
V_{g1}	−2.5	V
g_m	850	μA/V
r_a	450	kΩ

OPERATING CONDITIONS AS SINGLE VALVE CLASS "A" AMPLIFIER

V_b	90	V
V_{g2}	90	V
R_a	60	kΩ
I_a	1.3	mA
I_{g2}	300	μA
P_{out}	50	mW
D_{tot}	10	%

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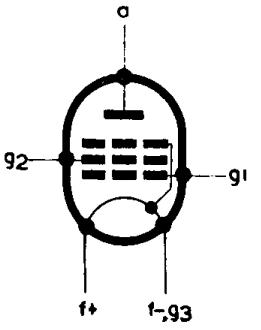
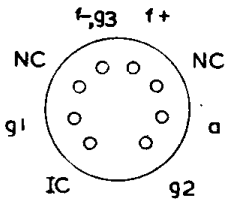
OPERATING CONDITIONS FOR TWO VALVES IN PUSH-PULL

V_b	90	V
V_{g_2}	90	V
R_{a-a}	100	kΩ
R_k	2.2	kΩ
$I_{a(o)}$	1.5	mA
I_a (max. sig.)	1.8	mA
$I_{g2(o)}$	330	μA
I_{g_2} (max. sig.)	850	μA
P_{out}	100	mW
D_{tot}	4.5	%

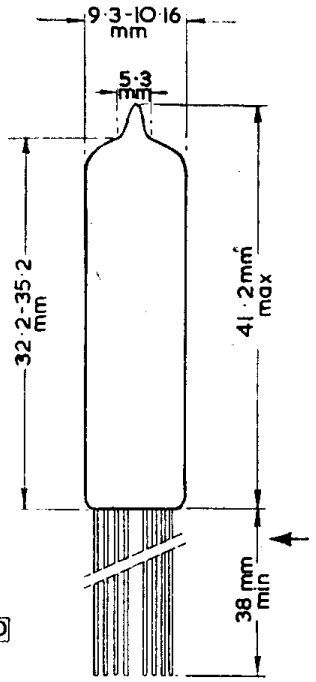
LIMITING VALUES

V_a max.	90	V
V_{g_2} max.	90	V
I_k max.	2.5	mA





B8D/F Base



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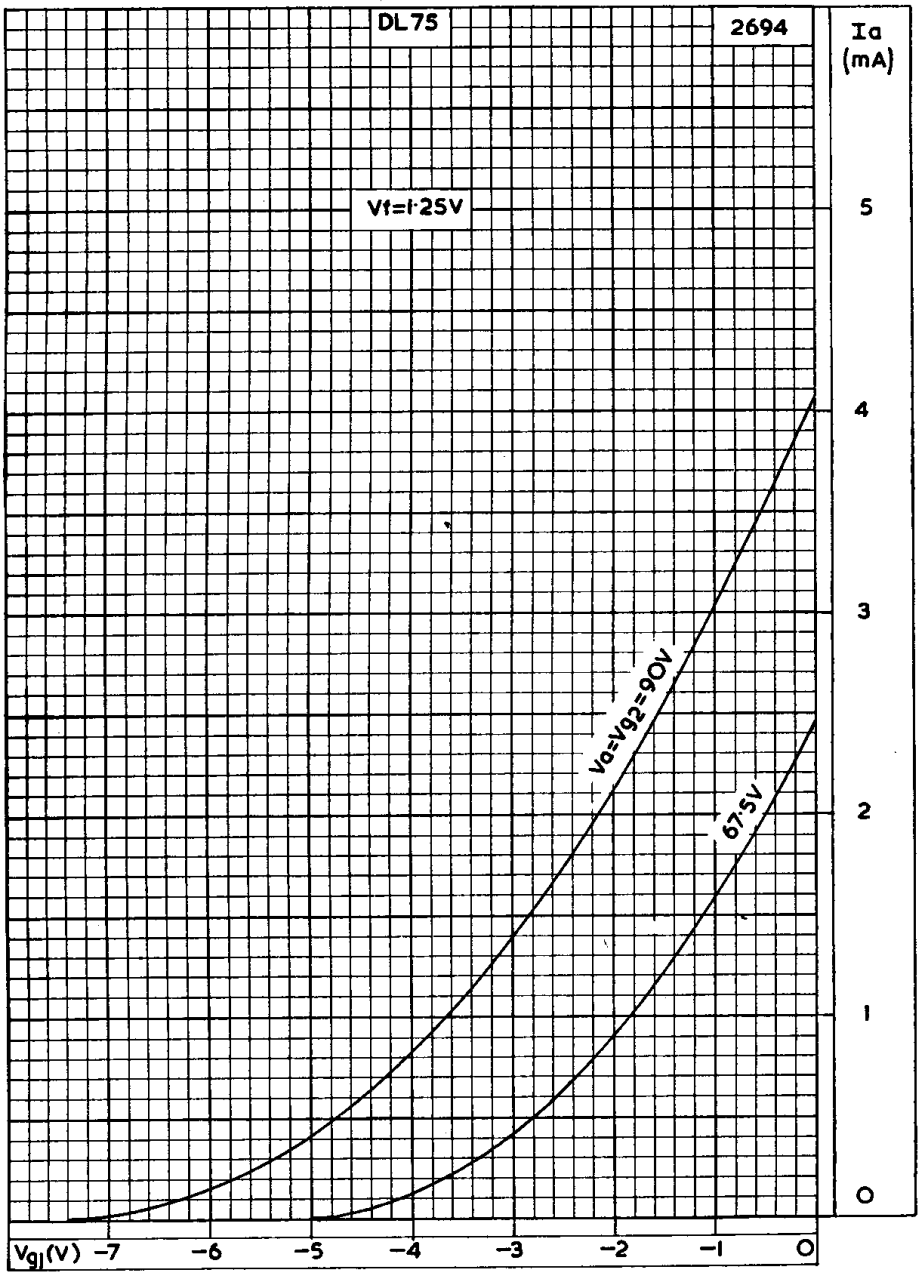
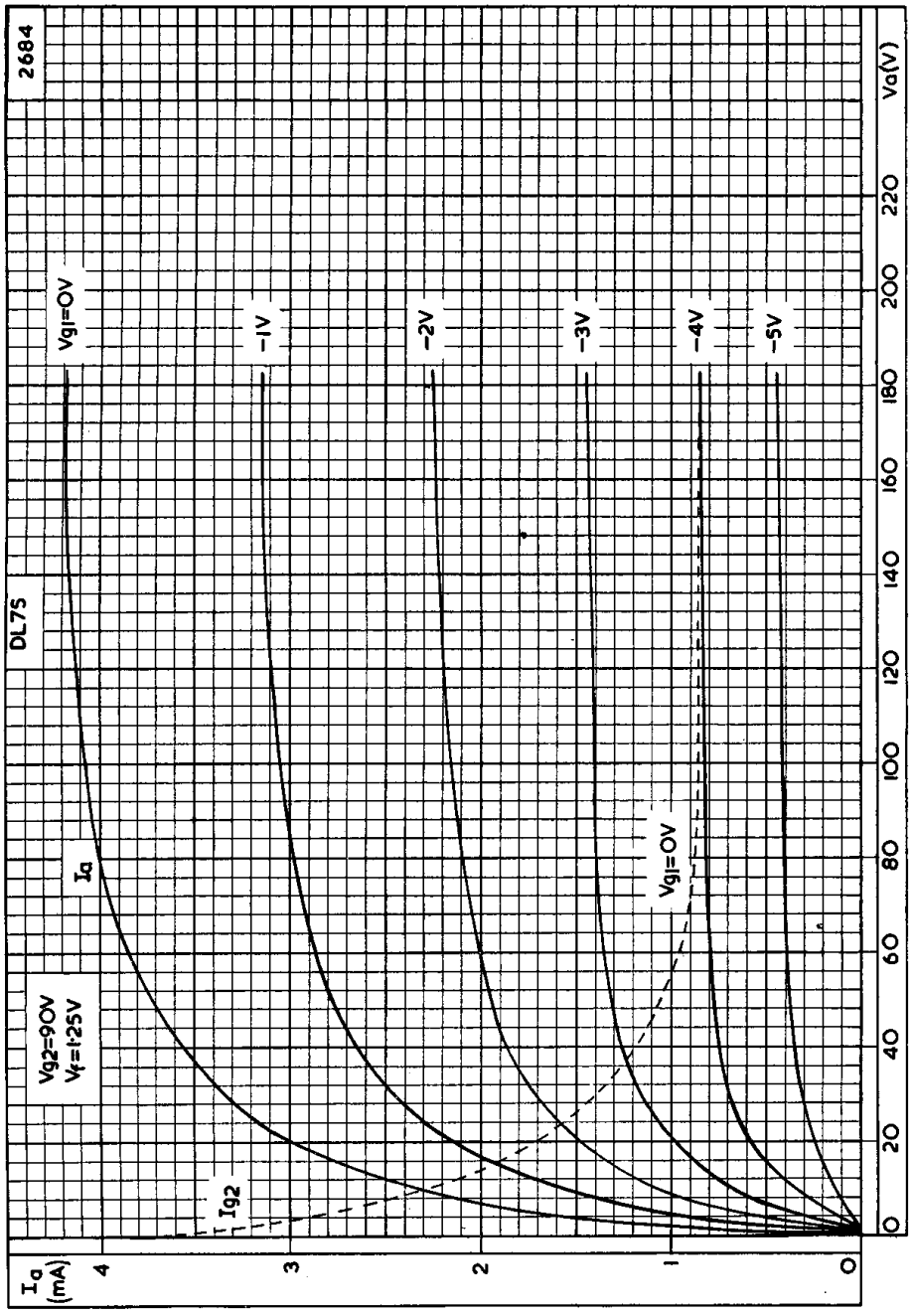


ANODE CURRENT PLOTTED AGAINST CONTROL-GRID VOLTAGE

DL75

SUBMINIATURE OUTPUT PENTODE

Subminiature output pentode suitable for battery operation with an h.t. supply of 90V.

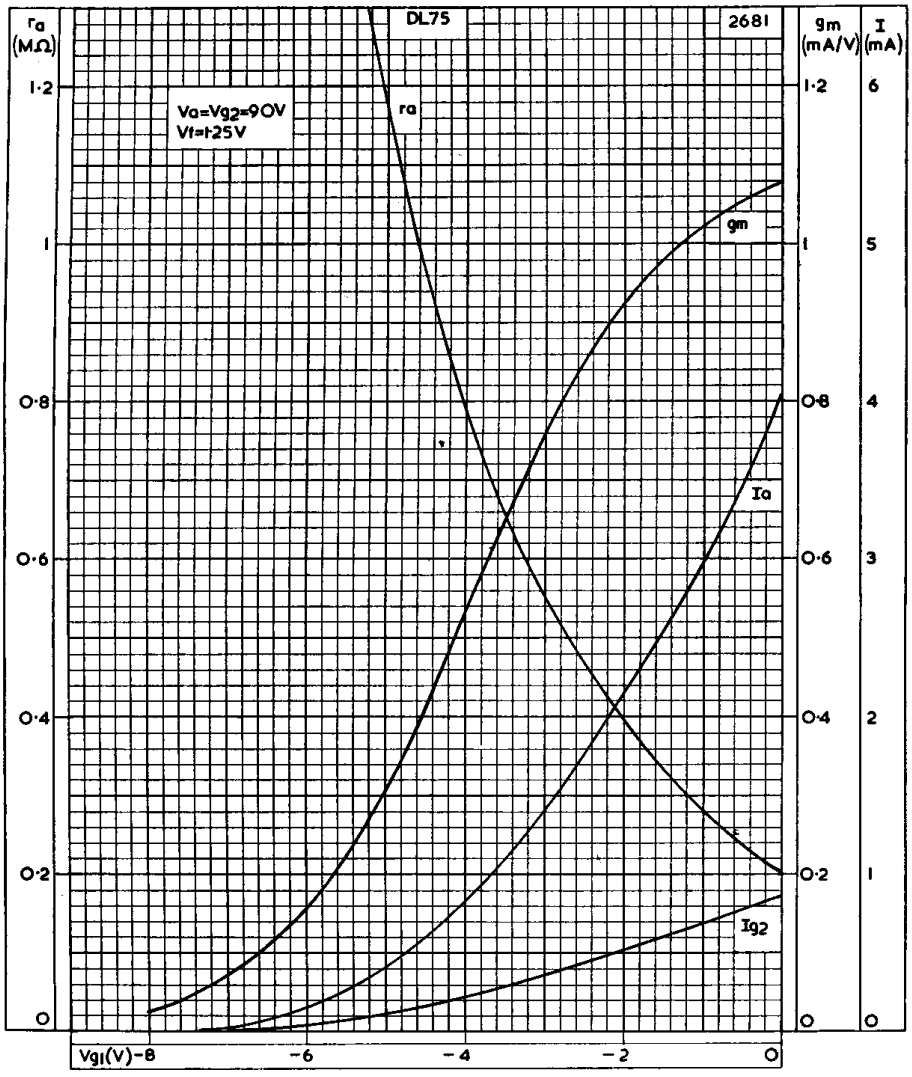


ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE

SUBMINIATURE OUTPUT PENTODE

DL75

Subminiature output pentode suitable for battery operation with an h.t. supply of 90V.



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