

SUB-MINIATURE OUTPUT PENTODE

DL71

Sub-miniature output pentode with wire-in connections
for use in Hearing Aids.

PRELIMINARY DATA

FILAMENT

V_f	1.25	V
I_f	25	mA

MOUNTING POSITION Any

CAPACITANCES (Measured without an external screen)

C_{a-g}	< 0.5	$\mu\mu F$
C_{in}	2.6	$\mu\mu F$
C_{out}	3.6	$\mu\mu F$

CHARACTERISTICS

V_a	45	V
V_{g2}	45	V
V_{g1}	-1.25	V
I_a	0.6	mA
I_{g2}	0.15	mA
g_m	550	$\mu A/V$
r_a	0.35	$M\Omega$
μ_{g1-g2}	15	

OPERATING CONDITIONS AS SINGLE VALVE CLASS "A" AMPLIFIER (Screen fed direct from H.T. line)

V_b	45	V
$I_{a(o)}$	590	μA
$I_{g2(o)}$	150	μA
R_k	1500	Ω
V_{g1}	-1.25	V
R_a	0.1	$M\Omega$
V_{in} r.m.s.	0.88	V
P_{out}	6.3	mW
D_{tot}	10	%

NOTE - For the above condition the signal source impedance consisted of a $0.47 M\Omega$ resistor in series with a capacitor of $0.1 \mu F$, the combination being shunted by a $10 M\Omega$ resistor.



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LIMITING VALUES

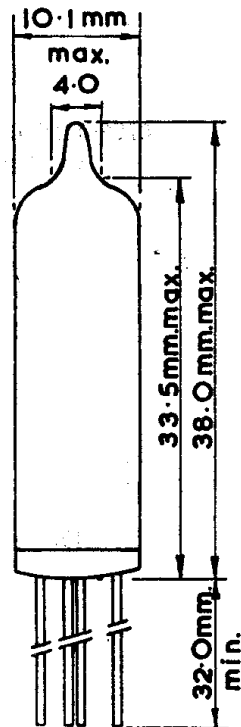
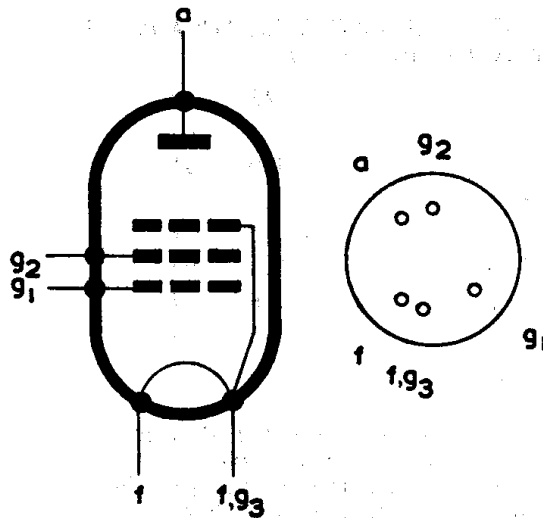
V_a max.	45	V
V_{g2} max.	45	V
I_k max.	1.7	mA

IMPORTANT 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.

DIMENSIONS

ARRANGEMENT OF ELECTRODES AND BASE CONNECTIONS



A spot of green lacquer is placed on the base next to the anode lead.

O54



ISSUE 1

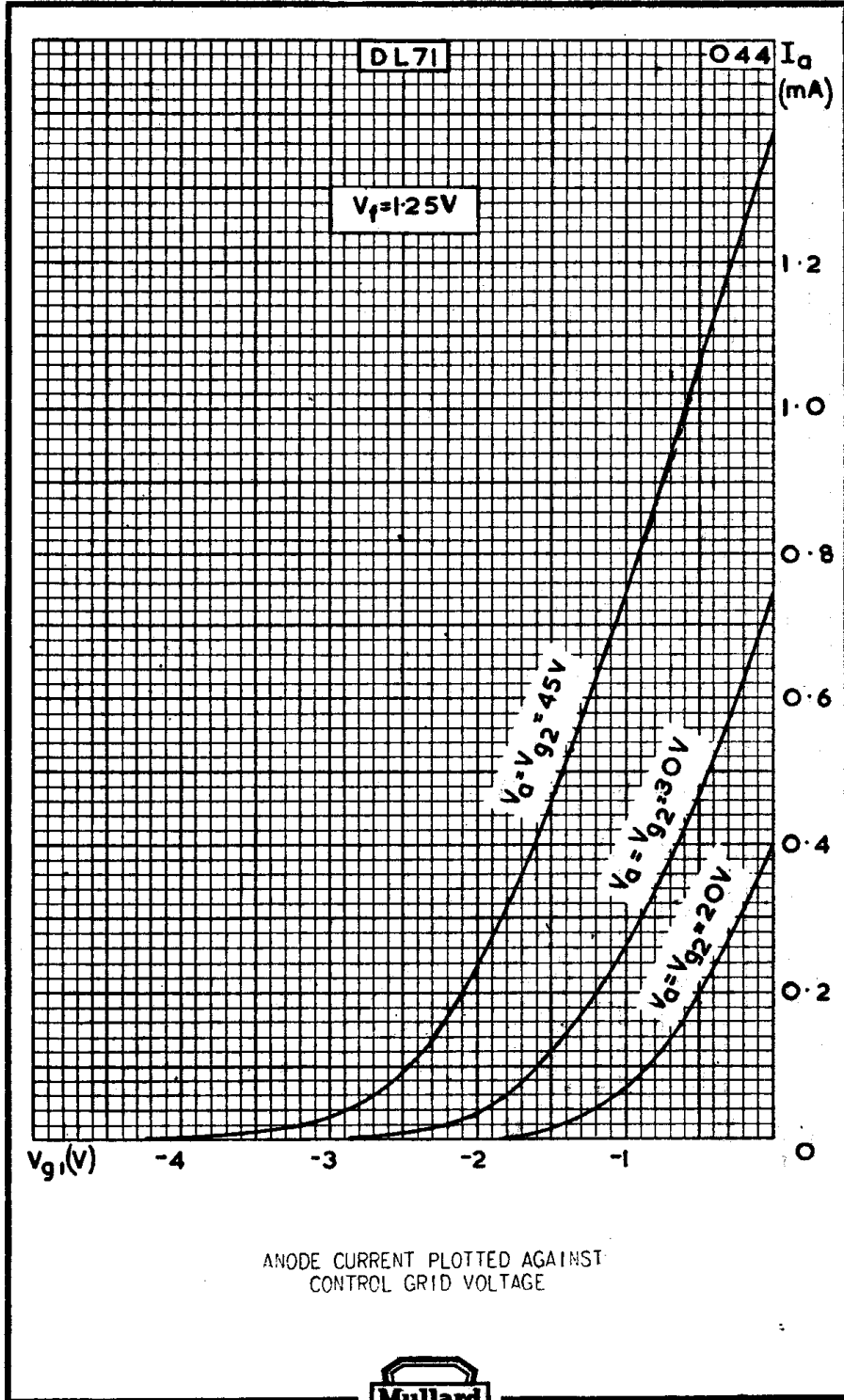
DL 71

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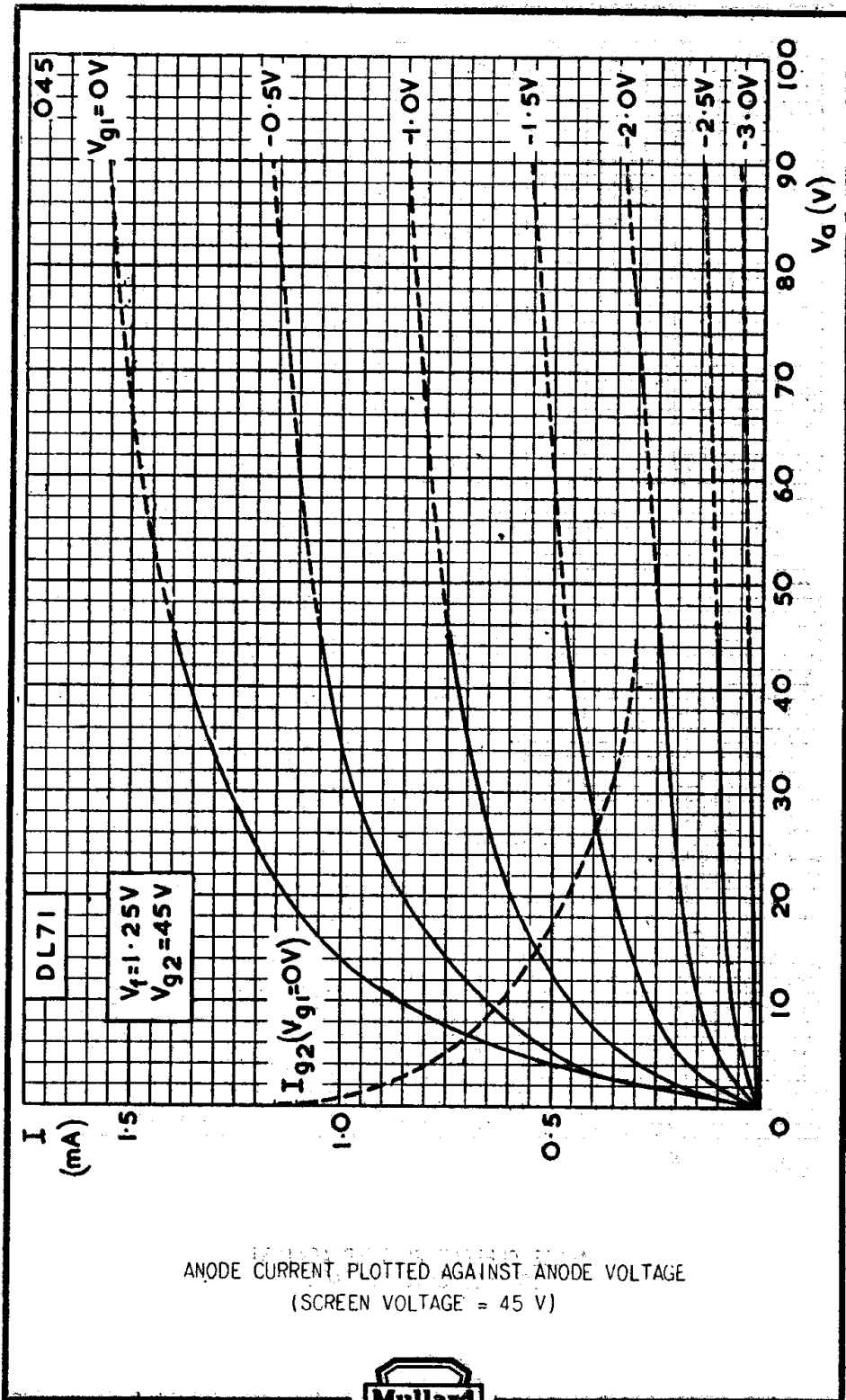
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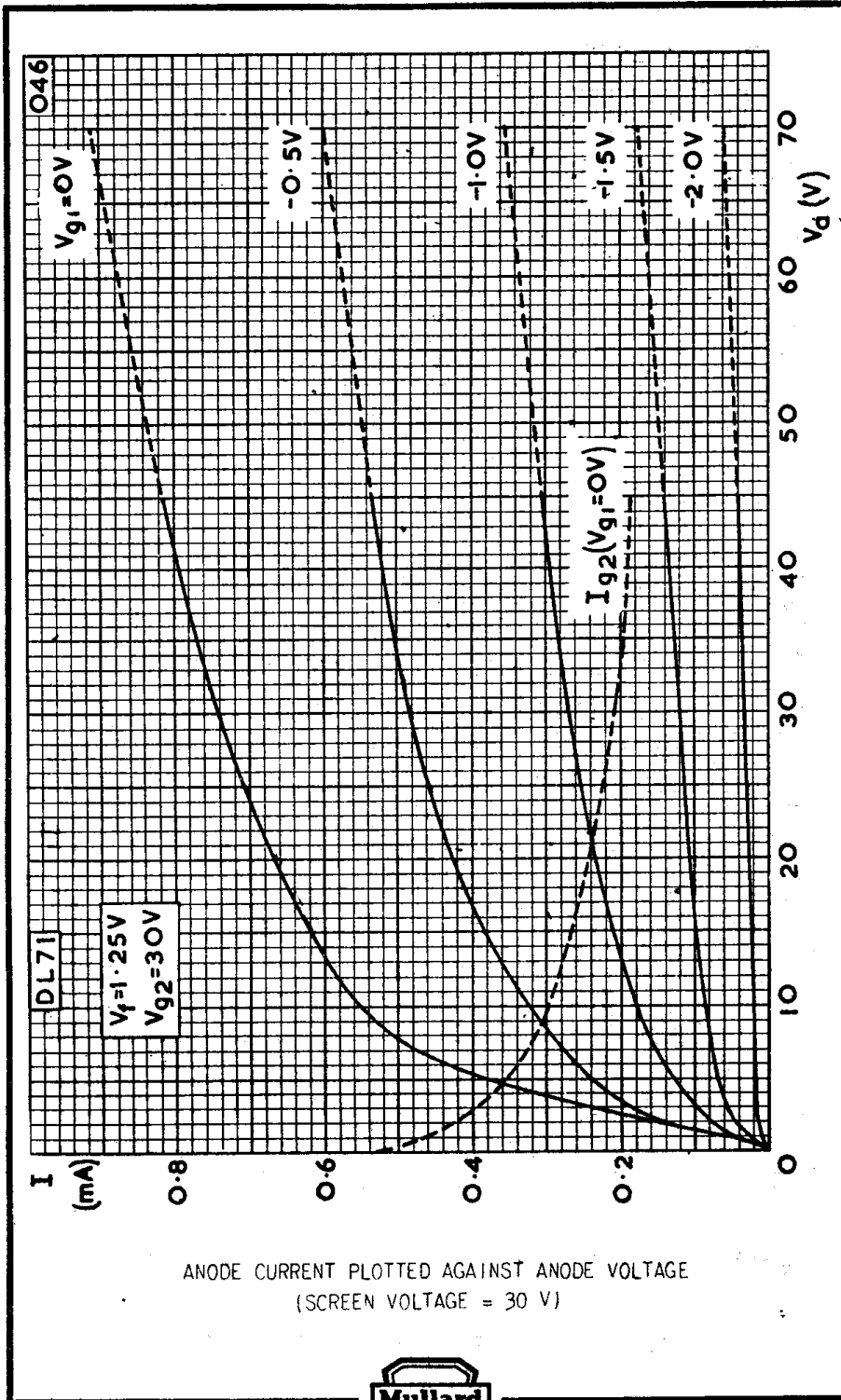
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