

PENTODE for use as video output tube
 PENTHODE pour utilisation comme tube de sortie vidéo
 PENTODE zur Verwendung als Video-Endröhre

Heating : indirect by A.C. or D.C.
 parallel supply

Chauffage: indirect par C.A. ou C.C.
 alimentation parallèle

Heizung : indirekt durch Wechsel-
 oder Gleichstrom; Parallelspeisung

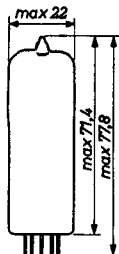
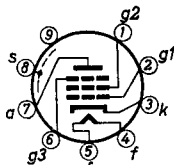
$$V_f = 6,3 \text{ V}$$

$$I_f = 710 \text{ mA}$$

Dimensions in mm

Dimensions en mm

Abmessungen in mm



Base, culot, Sockel: NOVAL

Capacitances

Capacités

Kapazitäten

$$C_{g1} = 10,8 \text{ pF}$$

$$C_a = 6,6 \text{ pF}$$

$$C_{ag1} < 0,1 \text{ pF}$$

$$C_{g1g2} = 3,2 \text{ pF}$$

$$C_{g1f} < 0,15 \text{ pF}$$

Typical characteristics

Caractéristiques types

Kenndaten

$$V_a = 250 \text{ V}$$

$$V_{g3} = 0 \text{ V}$$

$$V_{g2} = 250 \text{ V}$$

$$V_{g1} = -5,5 \text{ V}$$

$$I_a = 36 \text{ mA}$$

$$I_{g2} = 5 \text{ mA}$$

$$S = 10 \text{ mA/V}$$

$$\mu_{g2g1} = 24$$

$$R_1 = 0,13 \text{ M}\Omega$$

Limiting values
 Caractéristiques limites
 Grenzdaten

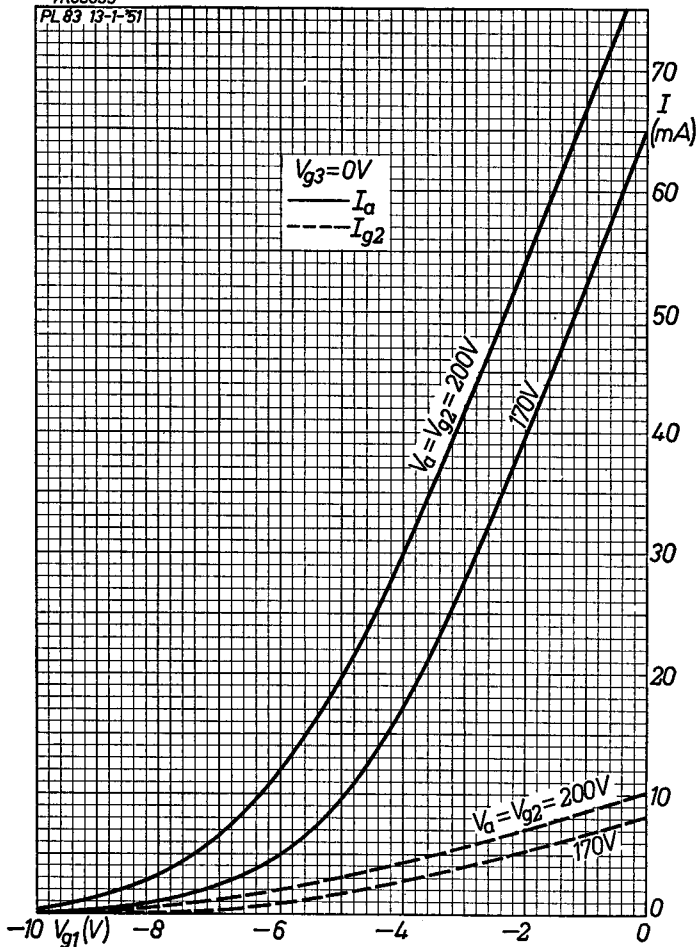
V_{a0}	= max.	550 V
V_a	= max.	300 V
W_a	= max.	9 W
V_{g2_0}	= max.	550 V
V_{g2}	= max.	300 V
W_{g2}	= max.	2 W
I_k	= max.	70 mA
V_{g1} ($I_{g1} = +0,3 \mu A$)	= max.	-1,3 V
R_{g1}	= max.	1 M Ω ¹⁾
R_{g1}	= max.	0,5 M Ω ²⁾
R_{kf}	= max.	20 k Ω
V_{kf}	= max.	100 V

¹⁾ With automatic bias
 Avec polarisation automatique
 Mit automatischer Gittervorspannung

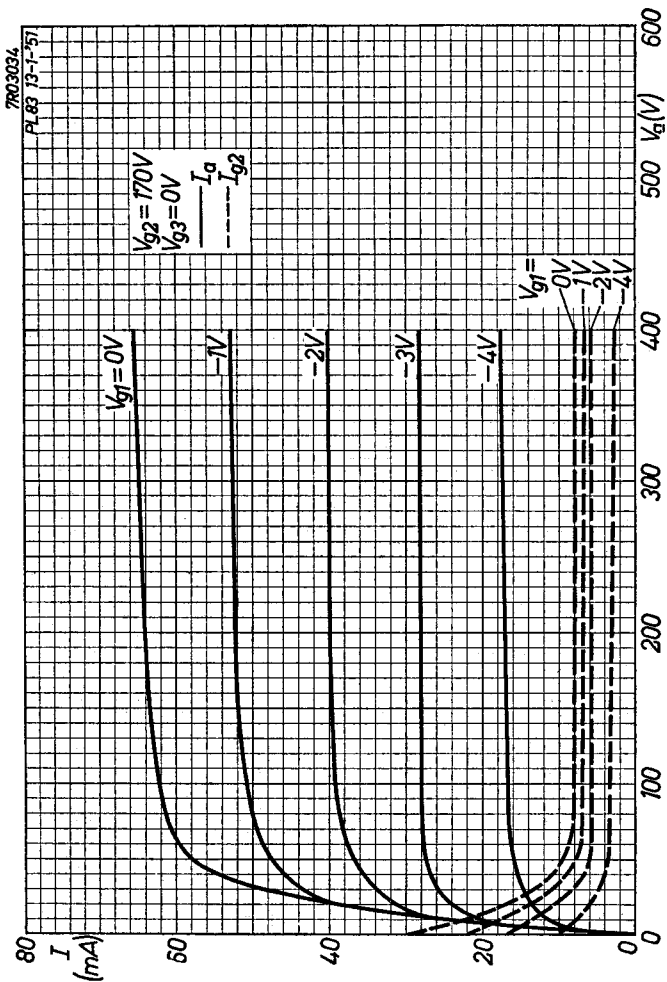
²⁾ With fixed bias
 Avec polarisation fixe
 Mit fester Gittervorspannung

7R03033

PL 83 13-1-51



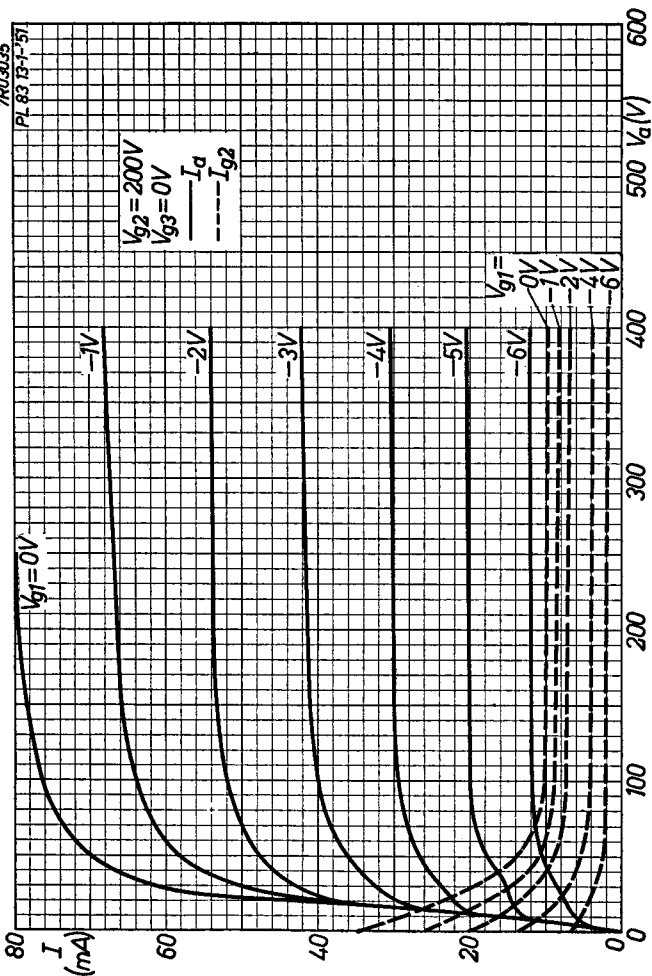
7.7.1960

EL83**PHILIPS**

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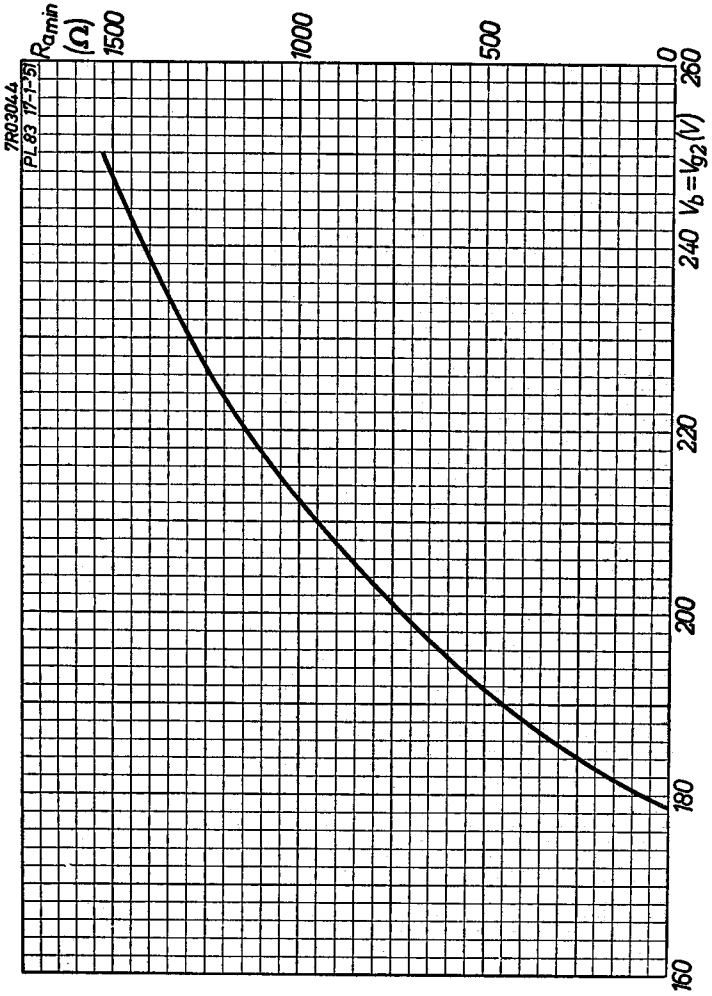


7.7.1960

c

EL83

PHILIPS



PHILIPS



*Electronic
Tube*

HANDBOOK

page	EL83 sheet	date
1	1	1957.03.03
2	2	1957.03.03
3	A	1960.07.07
4	B	1960.07.07
5	C	1960.07.07
6	D	1960.07.07
7	FP	2005.05.06