PHILIPS

DB 13-2
DG 13-2
DP 13-2
DR 13-2

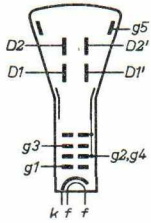
CATHODE RAY TUBE for oscillography
TUBE A RAYONS CATHODIQUES pour oscillographie
KATHODENSTRAHLRÖHRE für Oszillographie

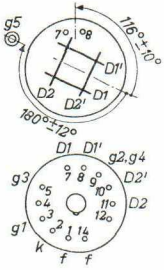
Screen Ecran Schirm		Fluorescence Fluorescence Fluoreszenz	Persistence Persistance Persistenz
	DB 13-2	blue bleu blau	short courte kurz
	DG 13-2	green vert grün	medium moyenne mittel
	DP 13-2	blue and greenish-yellow bleu et jaune-verdâtre blau und grünlich-gelb	short long courte longue kurz lang
	DR 13-2	greenish-yellow jaune-verdâtre grünlich-gelb	long longue lang

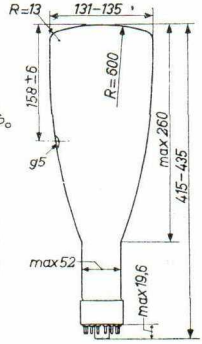
Heating : indirect by A.C. or D.C.
Chauffage: indirect par C.A. ou C.C.
Heizung : indirekt durch Wechsel- oder Gleichstrom

V_f = 6,3 V
I_f = 0,3 A

Dimensions in mm
Dimensions en mm
Abmessungen in mm







Base, culot, Sockel: Diheptal

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Focusing	electrostatic		
Concentration	électrostatique		
Fokussierung	elektrostatisch		
Deflection	double electrostatic	D1D1'	symmetr.
Déviation	électrostatique double	D2D2'	symmetr.
Ablenkung	doppel-elektrostatisch		

Capacitances
Capacités
Kapazitäten

C_k	= 6,0 pF	$C_{D2'}$	=	5,5	pF
C_{g1}	= 4,6 pF	$C_{D1D1'}$	=	1,9	pF
C_{D1}	= 4,7 pF	$C_{D2D2'}$	=	2,5	pF
$C_{D1'}$	= 4,7 pF	$C_{k-D1D1'D2D2'}$	=	0,35	pF
C_{D2}	= 5,5 pF	$C_{g1-D1D1'D2D2'}$	=	0,15	pF
		$C_{D1D1'-D2D2'}$	=	0,2	pF

Line width
Epaisseur de la ligne
Linienbreite

(V_{g5}=2000 V, $V_{g2,g4}$=2000 V, I_ℓ=0,5 μA) 0,4 mm[1])
(V_{g5}=4000 V, $V_{g2,g4}$=2000 V, I_ℓ=0,5 μA) 0,3 mm[1])

Operating characteristics
Caractéristiques d'utilisation
Betriebsdaten

V_{g5}	=	2000	4000	V
$V_{g2,g4}$	=	2000	2000	V
V_{g3}	=	400-720	400-720	V
$-V_{g1}$	=	45-100	45-100	V
N_1	=	0,43-0,51	0,34-0,42	mm/V
N_2	=	0,37-0,45	0,29-0,37	mm/V

Limiting values
Caractéristiques limites
Grenzdaten

V_{g5}	= max. 5000 V	$V_{D2D2'p}$	= max.	450	V
$V_{g2,g4}$	= max. 2500 V	$W_{g2,g4}$	= max.	4	W
V_{g3}	= max. 1000 V	W_ℓ	= max.	3	mW/cm^2
V_{g1}	= max. 0 V	R_D	= max.	5	MΩ
$-V_{g1}$	= max. 150 V	R_{g1}	= max.	1,5	MΩ
$V_{D1D1'p}$	= max. 450 V	V_{kf}	= max.	125	V

[1]) Measured on a circle of 50 mm diameter
Mesuré à un cercle de 50 mm diamètre
Gemessen an einem Kreis von 50 mm Durchmesser

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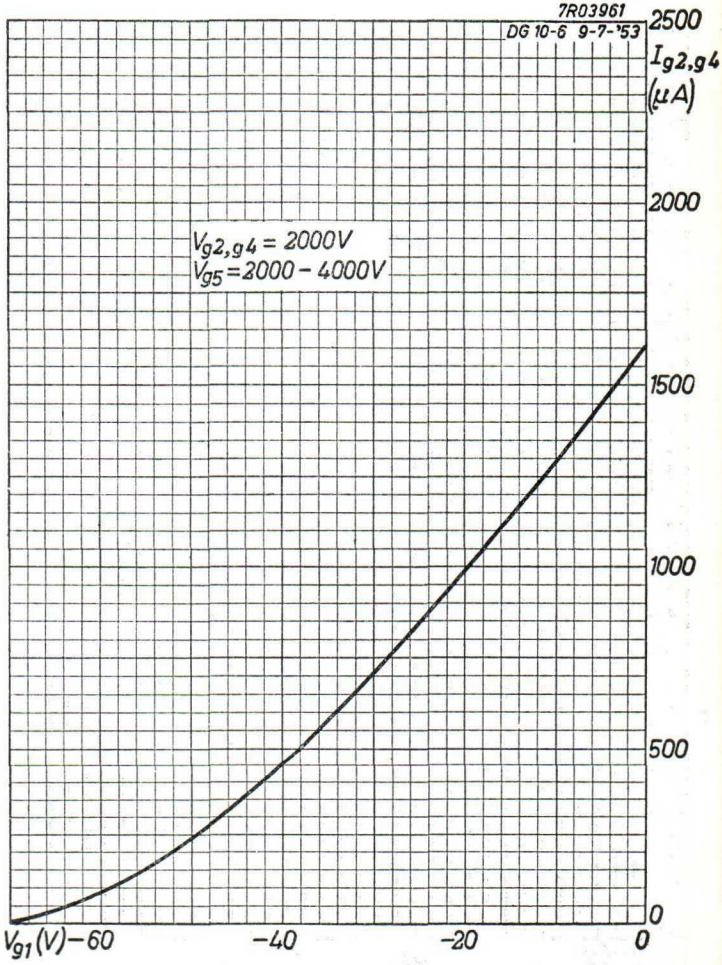
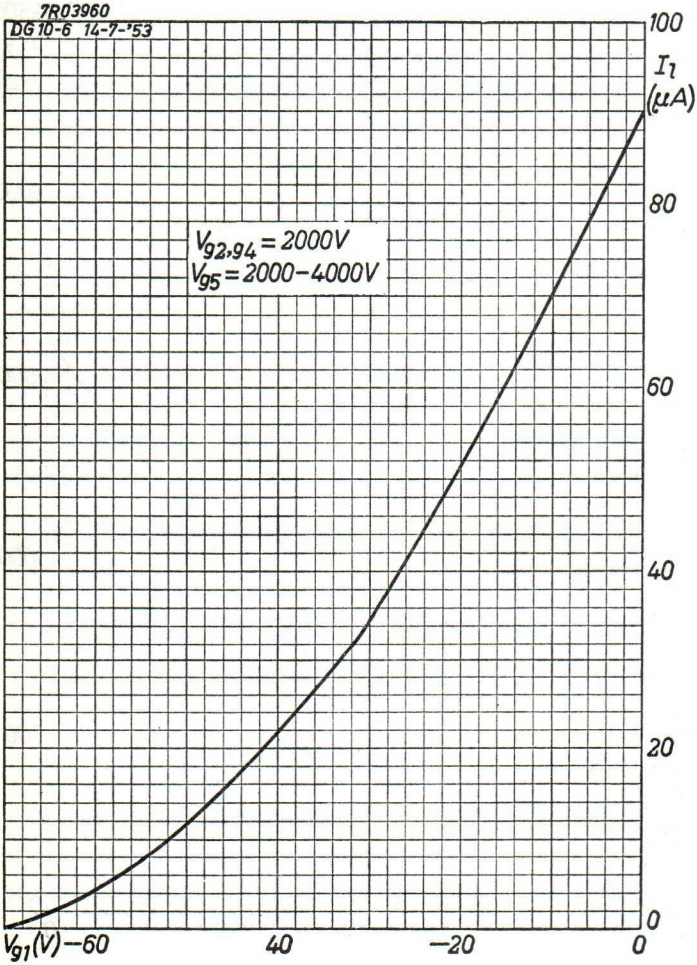


7.7.1953

A

DB13-2
DG13-2
DP13-2
DR13-2

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