

# PHILIPS

DB 7-6  
DG 7-6  
DN 7-6

DP 7-6  
DR 7-6

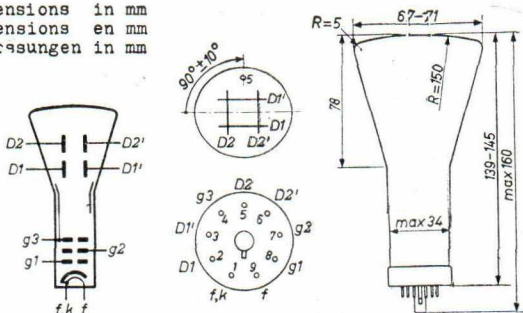
CATHODE RAY TUBE for oscillography  
TUBE A RAYONS CATHODIQUES pour oscillographie  
KATHODENSTRAHLRÖHRE für Oszillographie

| Screen<br>Ecran<br>Schirm |        | Fluorescence<br>Fluorescence<br>Fluoreszenz                                           | Persistence<br>Persistance<br>Persistenz          |
|---------------------------|--------|---------------------------------------------------------------------------------------|---------------------------------------------------|
|                           | DB 7-6 | blue<br>bleu<br>blau                                                                  | short<br>courte<br>kurz                           |
|                           | DG 7-6 | green<br>vert<br>grün                                                                 | medium<br>moyenne<br>mittel                       |
|                           | DN 7-6 | green<br>vert<br>grün                                                                 | long<br>longue<br>lang                            |
|                           | DP 7-6 | blue<br>and greenish-yellow<br>bleu<br>et jaune-verdâtre<br>blau<br>und grünlich-gelb | short<br>long<br>courte<br>longue<br>kurz<br>lang |
|                           | DR 7-6 | greenish-yellow<br>jaune-verdâtre<br>grünlich-gelb                                    | long<br>longue<br>lang                            |

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

$V_f = 3 \text{ V}$   
 $I_f = 0,31 \text{ A}$

Dimensions in mm  
Dimensions en mm  
Abmessungen in mm



Base, culot, Sockel: Engl. Localtal 9-p

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Focusing electrostatic  
Concentration électrostatique  
Fokussierung elektrostatisch

Deflection double electrostatic D1D1' symmetr.  
Déviation électrostatique double D2D2' asymmetr.  
Ablenkung doppel-elektrostatisch

D2 has to be connected to g3  
D2 est à connecter à g3  
D2 ist mit g3 zu verbinden

Earthing of g3 is recommended  
Il est recommandé de mettre g3 à la terre  
Es empfiehlt sich g3 zu erden

Capacitances  
Capacités  
Kapazitäten

|                  |   |        |                    |   |        |
|------------------|---|--------|--------------------|---|--------|
| C <sub>g1</sub>  | = | 7,0 pF | C <sub>D2'</sub>   | = | 2,8 pF |
| C <sub>D1</sub>  | = | 3,2 pF | C <sub>D1D1'</sub> | = | 0,7 pF |
| C <sub>D1'</sub> | = | 3,5 pF | C <sub>D2D2'</sub> | = | 0,9 pF |
| C <sub>D2</sub>  | = | 3,0 pF |                    |   |        |

Line width (V<sub>g3</sub> = 800 V )  
Epaisseur de la ligne (I<sub>g</sub> = 0,5 µA) 0,7 mm<sup>1</sup>)  
Linienbreite

Operating characteristics  
Caractéristiques d'utilisation  
Betriebsdaten

|                  |   |           |
|------------------|---|-----------|
| V <sub>g3</sub>  | = | 800 V     |
| V <sub>g2</sub>  | = | 200-300 V |
| -V <sub>g1</sub> | = | 0-50 V    |
| N <sub>1</sub>   | = | 0,25 mm/V |
| N <sub>2</sub>   | = | 0,16 mm/V |

Limiting values  
Caractéristiques limites  
Grenzdaten

|                  |        |        |                      |        |                      |
|------------------|--------|--------|----------------------|--------|----------------------|
| V <sub>g3</sub>  | = max. | 1000 V | V <sub>D1D1'</sub> p | = max. | 450 V                |
| V <sub>g3</sub>  | = min. | 800 V  | V <sub>D2D2'</sub> p | = max. | 750 V                |
| V <sub>g2</sub>  | = max. | 400 V  | W <sub>g</sub>       | = max. | 3 mW/cm <sup>2</sup> |
| V <sub>g1</sub>  | = max. | 0 V    | R <sub>D</sub>       | = max. | 5 MΩ                 |
| -V <sub>g1</sub> | = max. | 100 V  | R <sub>g1</sub>      | = max. | 0,5 MΩ               |

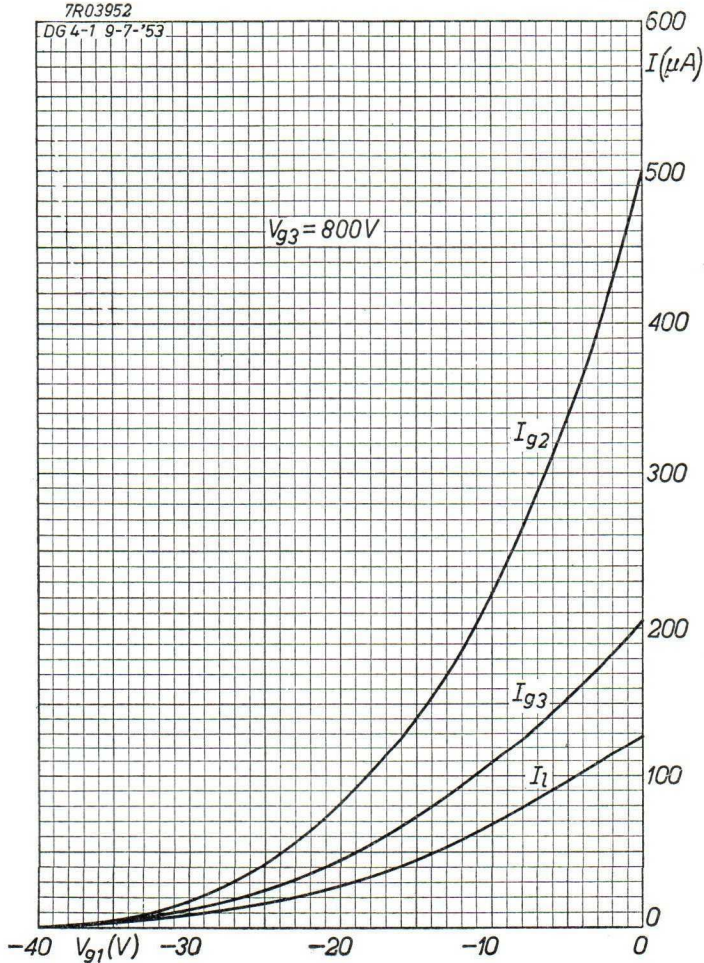
<sup>1</sup>) Measured on a circle of 50 mm diameter  
Mesuré à un cercle de 50 mm diamètre  
Gemessen an einem Kreis von 50 mm Durchmesser

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7R03952

DG 4-1 9-7-'53



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