

PHILIPS PL 6574

THYRATRON; inert gas filled tetrode with negative control characteristic

THYRATRON; tétrode à remplissage de gaz inerte avec caractéristique de commande négative

STROMTORRÖHRE; edelgasgefüllte Tetrode mit negativer Steuerkennlinie

Heating : indirect

Chauffage: indirect

Heizung : indirekt

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

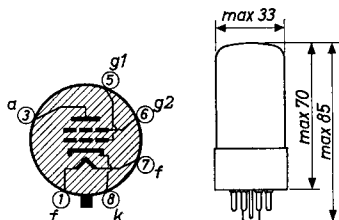
$I_f = 950 \text{ mA}$

$T_w = \text{min. } 20 \text{ sec } ^1)$

Dimensions in mm

Dimensions en mm

Abmessungen in mm



Base, culot, Sockel: OCTAL

Typical characteristics

Caractéristiques types

Kenndaten

$V_{arc} = 10 \text{ V}$

$V_a/V_{g1} \left(\begin{matrix} V_{g2} = 0 \text{ V} \\ R_{g1} = 0 \Omega \end{matrix} \right) = 275 \text{ } ^2)$

$V_a/V_{g2} \left(\begin{matrix} V_{g1} = 0 \text{ V} \\ R_{g2} = 0 \Omega \end{matrix} \right) = 370 \text{ } ^2)$

$V_a = 650 \text{ V}$

$I_{ap} = 2 \text{ A}$

$R_{g1} = 100 \text{ k}\Omega$

$V_{g1} = \overbrace{-100 \quad -50} \text{ V}$

$T_{dion} = 240 \text{ } 1000 \text{ } \mu\text{sec}$

¹⁾ For $I_{kp} = 2 \text{ A}$
 Pour $I_{kp} = 2 \text{ A}$
 Für $I_{kp} = 2 \text{ A}$

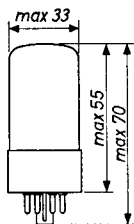
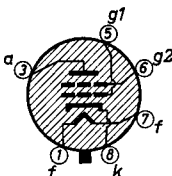
²⁾ At striking point
 A l'allumage
 Bei Zündung

THYRATRON; inert gas filled tetrode with negative control characteristic
 THYRATRON; tétrode à remplissage de gaz inerte avec caractéristique de commande négative
 STROMTORRÖHRE; edelgasgefüllte Tetrode mit negativer Steuerkennlinie

Heating : indirect
 Chauffage: indirect
 Heizung : indirekt

$V_f = 6,3 \text{ V}$
 $I_f = 950 \text{ mA}$
 $T_w = \text{min. } 15 \text{ sec}$

Dimensions in mm
 Dimensions en mm
 Abmessungen in mm



Base, culot, Sockel: OCTAL

Typical characteristics
 Caractéristiques types
 Kenndaten

V_{arc}		=	10 V
V_a/V_{g1}	($V_{g2} = 0 \text{ V}$) ($R_{g1} = 0 \Omega$)	=	275 ¹⁾
V_a/V_{g2}	($V_{g1} = 0 \text{ V}$) ($R_{g2} = 0 \Omega$)	=	370 ¹⁾

¹⁾ At striking point
 A l'allumage
 Bei Zündung

→ Capacitances	$C_{ag1} = 0,25 \text{ pF}$
→ Capacités	$C_{ak} = 0,06 \text{ pF}$
Kapazitäten	$C_{g1k} = 0,2 \text{ pF}$
	$C_{ag2} = 3,0 \text{ pF}$

Limiting values (Absolute limits)
 Caractéristiques limites (Limites absolues)
 Grenzdaten (Absolute Werte)

V_{ap}	= max. 650 V
$V_a \text{ invp}$	= max. 1300 V
$-V_{g2}$	= max. 100 V ³⁾
$-V_{g2}$	= max. 10 V ⁴⁾
$+I_{g2} (V_a > -10 \text{ V})$	= max. 20 mA ⁵⁾
R_{g2}	= max. 1 M Ω ⁶⁾
$-V_{g1}$	= max. 250 V ³⁾
$-V_{g1}$	= max. 10 V ⁴⁾
$+I_{g1} (V_a > -10 \text{ V})$	= max. 20 mA ⁵⁾
$R_{g1} (I_a < 200 \text{ mA})$	= max. 10 M Ω
$R_{g1} (I_a > 200 \text{ mA})$	= max. 2 M Ω
$I_k (T_{av} = \text{max. } 15 \text{ sec})$	= max. 300 mA
I_{kp}	= max. 2 A
$I_k \text{ surge } (T = \text{max. } 0,1 \text{ sec})$	= max. 10 A
$V_{kfp} (k \text{ neg.}; f \text{ pos.})$	= max. 25 V
$V_{kfp} (k \text{ pos.}; f \text{ neg.})$	= max. 100 V
t_{amb}	= $-75^{\circ}\text{C}/+90^{\circ}\text{C}$

3) Before conduction
 Avant l'allumage
 Gelöschte Röhre

4) During conduction
 Pendant la période de conduction
 Gezündete Röhre

5) $T_{av} = 1 \text{ cycle}$
 $T_{av} = 1 \text{ Periode}$

6) Where circuit conditions permit, g_2 should be connected directly to the cathode
 Si le montage le permet, g_2 doit être reliée directement à la cathode
 g_2 soll möglichst direkt mit der Katode verbunden werden

Limiting values (ABSOLUTE LIMITS)
 Caractéristiques limites (LIMITES ABSOLUES)
 Grenzdaten (ABSOLUTE WERTE)

V_{ap}	= max.	650 V
$V_{a \text{ inv}p}$	= max.	1,3 kV
$-V_{g2}$	= max.	100 V ²⁾
$-V_{g2}$	= max.	10 V ³⁾
$-V_{g1}$	= max.	250 V ²⁾
$-V_{g1}$	= max.	10 V ³⁾
I_k ($T_{av} = \text{max. } 15 \text{ sec}$)	= max.	300 mA
I_{kp}	= max.	2 A
$I_k \text{ surge}$ ($T = \text{max. } 0,1 \text{ sec}$)	= max.	10 A
$+I_{g2}$ ($V_a > -10 \text{ V}$)	= max.	20 mA ⁴⁾
$+I_{g1}$ ($V_a > -10 \text{ V}$)	= max.	20 mA ⁴⁾
$+I_{g1p}$	= max.	1 mA ⁵⁾
R_{g1} ($I_k = 200 \text{ mA}$)	= max.	10 M Ω
V_{kf_p} (k pos.; f neg.)	= max.	100 V
V_{kf_p} (k neg.; f pos.)	= max.	25 V
t_{amb}	=	-75/+90 °C

2) Before conduction
 Avant l'allumage
 Gelöschte Röhre

3) During conduction
 Pendant la période de conduction
 Gezündete Röhre

4) $T_{av} = 1 \text{ cycle}$
 $T_{av} = 1 \text{ Periode}$

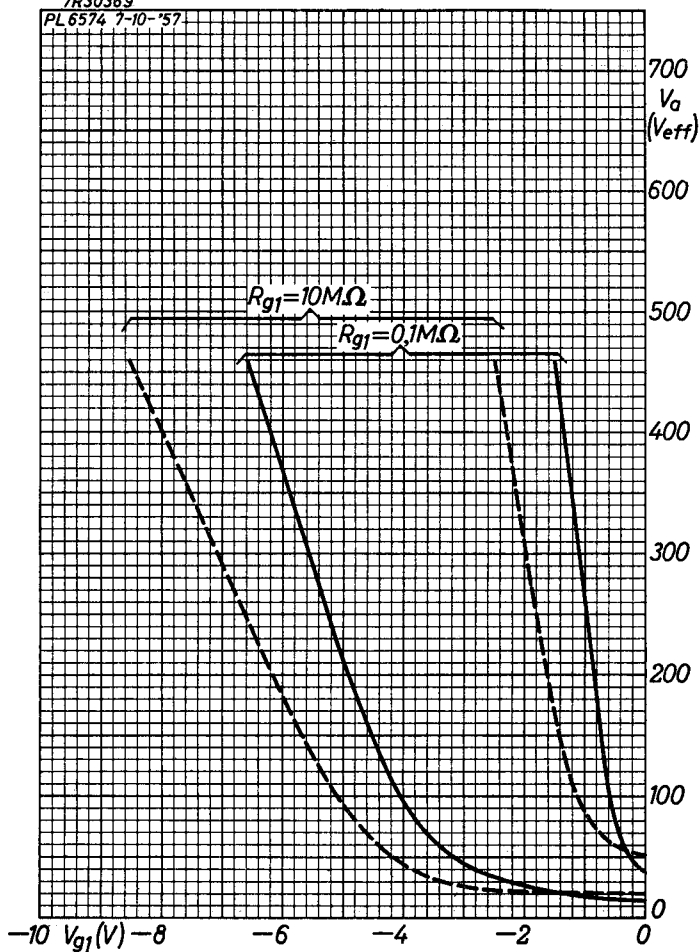
5) During the time that V_a is more negative than -10 V
 Pendant le temps où V_a est plus négative que -10 V
 Während der Zeit wenn V_a mehr negativ ist als -10 V

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7R30369

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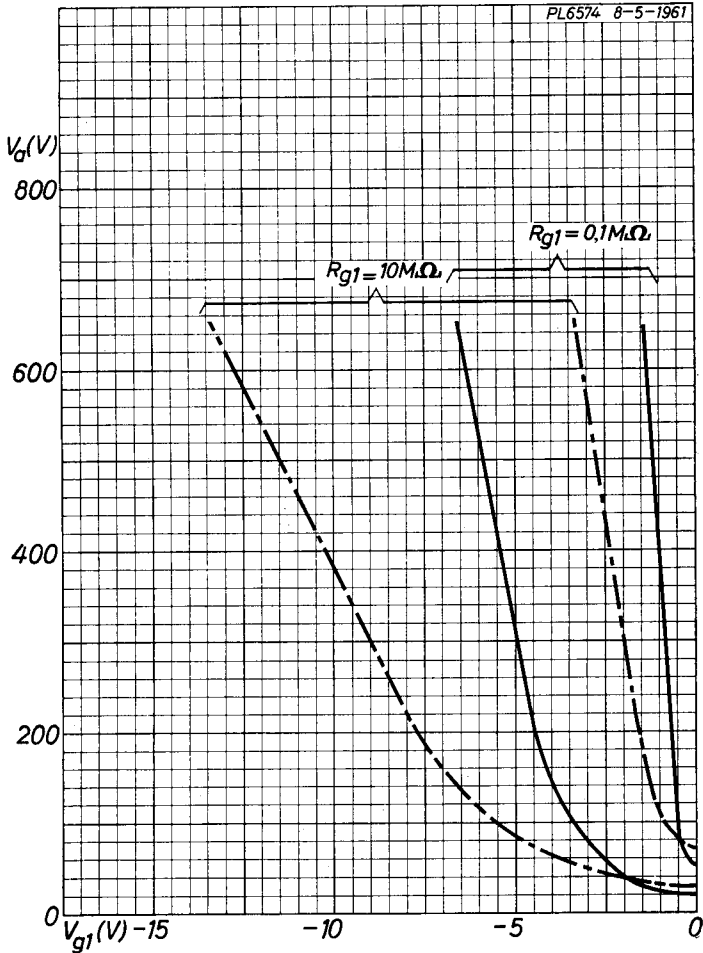


10.10.1957

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7200516

PL6574 8-5-1961



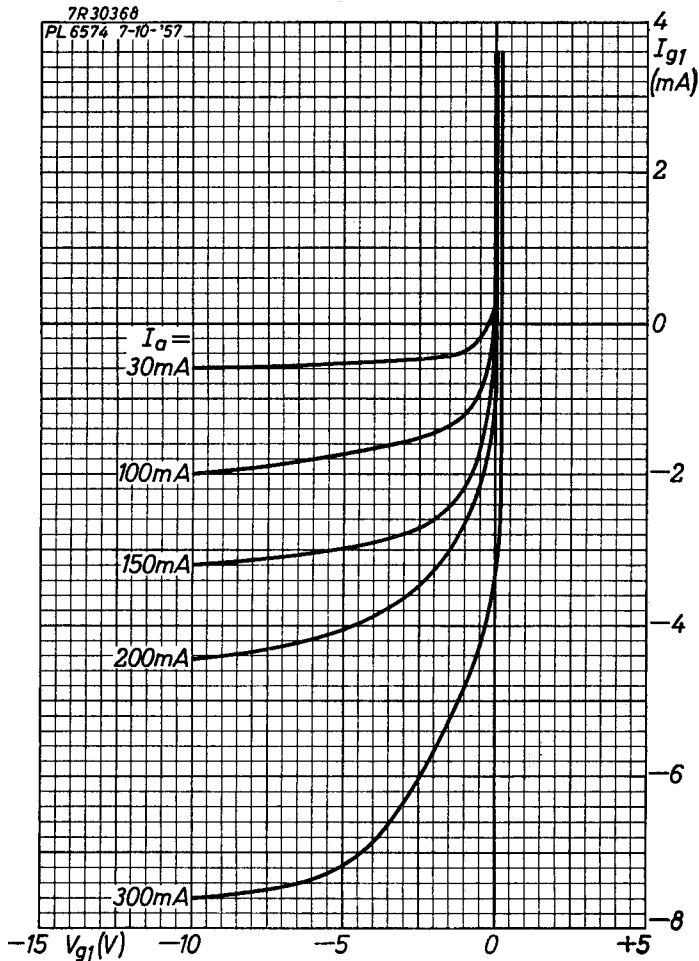
10.10.1961

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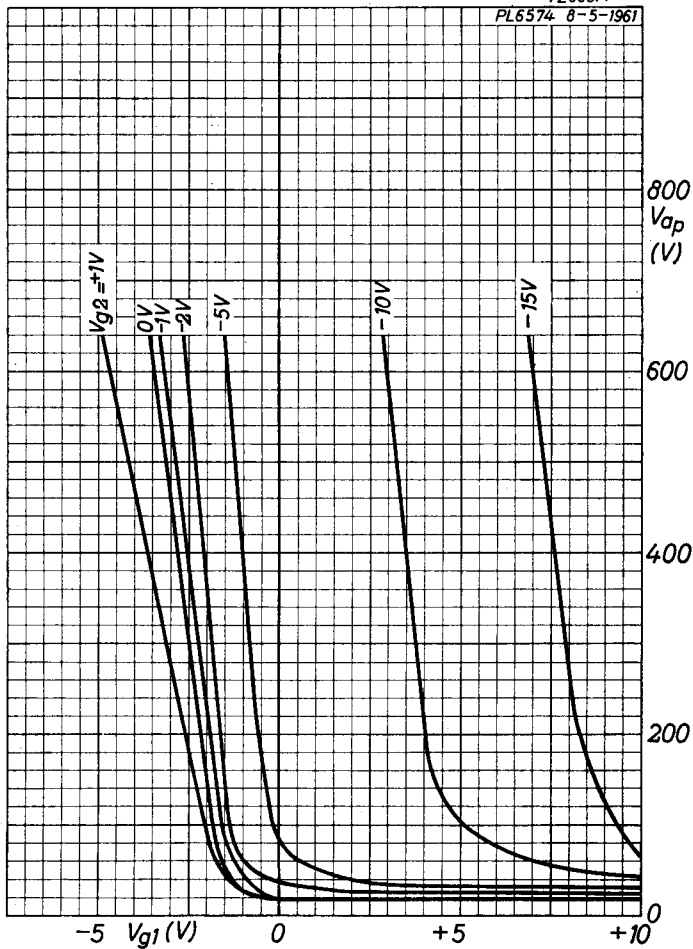
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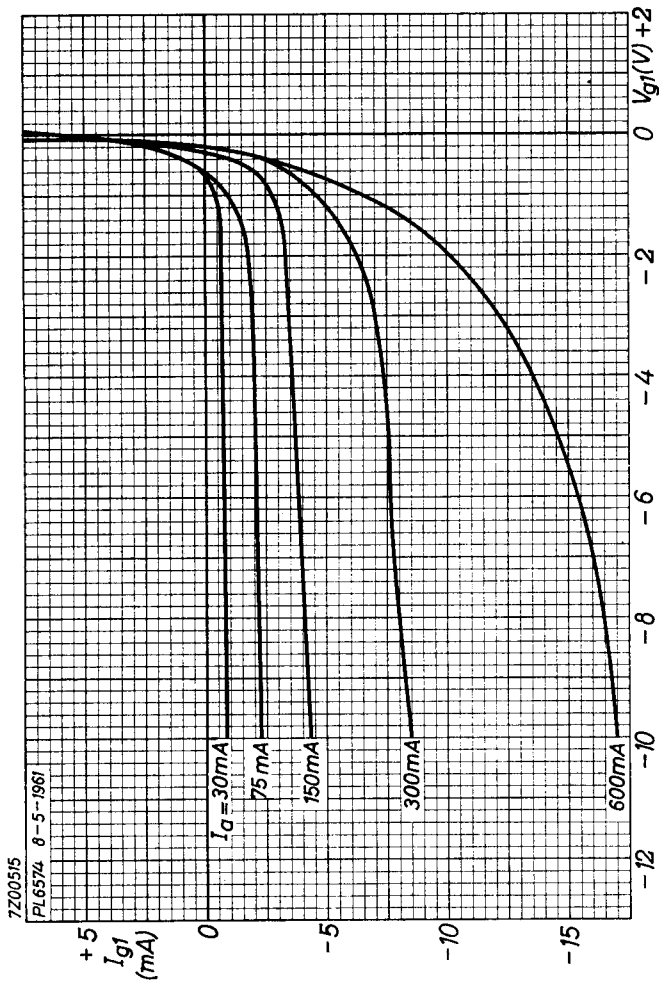
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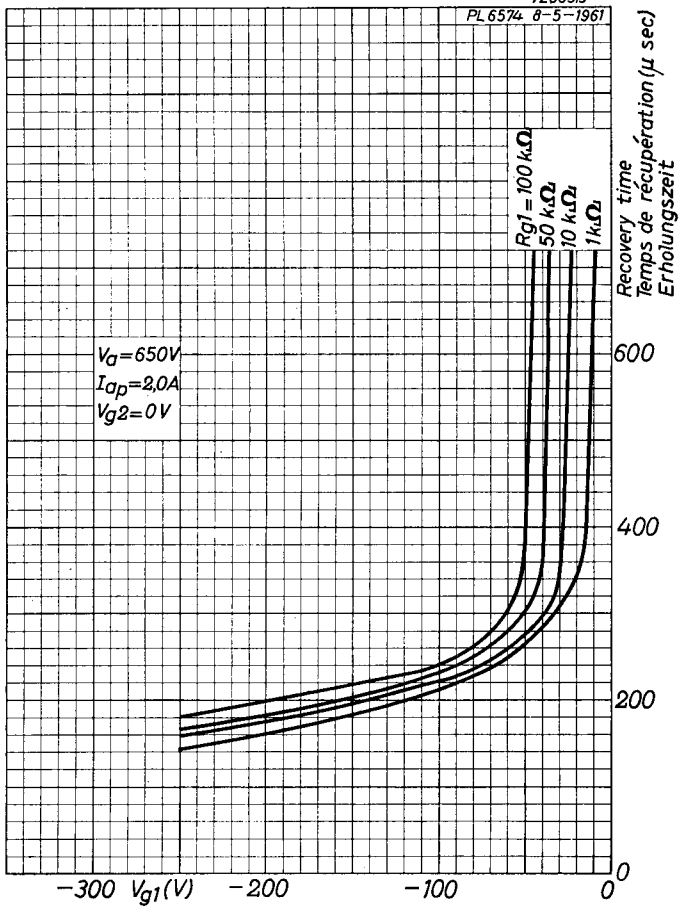
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HANDBOOK

	PL6574	
page	sheet	date
1	1	1959.01.01
2	1	1959.04.04
3	2	1959.01.01
4	2	1959.04.04
5	A	1957.10.10
6	A	1961.10.10
7	B	1957.10.10
8	B	1961.10.10
9	C	1961.10.10
10	D	1961.10.10
11	FP	2000.06.01