

OUTPUT PENTODE
PENTHODE DE SORTIE
ENDPENTODE

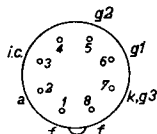
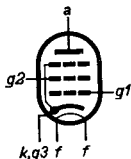
Heating : indirect; series supply $V_f = 45 \text{ V}$
 Chauffage: indirect; alimentation- série $I_f = 100 \text{ mA}$
 Heizung : indirekt; Serienspeisung

Base, culot, Sockel: RIMLOCK

Overall length: 76 mm
See pages 203 and 252

Hauteur totale: 76 mm
Voir pages 203 et 252

Gesamthöhe : 76 mm
Siehe S. 203 und 252



Capacitances
Capacités
Kapazitäten

$C_a = 8,3 \text{ pF}$
 $C_{g1} = 11 \text{ pF}$
 $C_{ag1} < 1 \text{ pF}$
 $C_{g1f} < 0,1 \text{ pF}$

Operating characteristics class A
Caractéristiques d'utilisation classe A
Betriebsdaten Klasse A

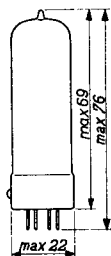
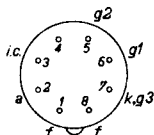
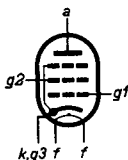
V_a	=	100	110	170 V
V_{g2}	=	100	110	170 V
V_{g1}	=	-5,7	-6,4	-10,4 V
I_a	=	29	32	53 mA
I_{g2}	=	5,5	6,0	10 mA
S	=	8,0	8,5	9,5 mA/V
R_1	=	18	18	20 k Ω
$R_{a\omega}$	=	3	3	3 k Ω
μ_{g2g1}	=	10	10	10
$W_o(dt_{tot}=10\%)$	=	1,35	1,7	4,25 W
$V_i(dt_{tot}=10\%)$	=	3,75	4,2	6,0 V_{eff}
$W_o(I_{g1}=+0,3\mu A)$	=	1,35	1,7	4,9 W
$V_i(W_o = 50 \text{ mW})$	=	0,55	0,55	0,5 V_{eff}

OUTPUT PENTODE
 PENTHODE DE SORTIE
 ENDPENTODE

Heating : indirect; series supply
 Chauffage: indirect; alimentation série
 Heizung : indirekt; Serienspeisung

$V_f = 45 \text{ V}$
 $I_f = 100 \text{ mA}$

Dimensions in mm
 Dimensions en mm
 Abmessungen in mm



Base, culot, Sockel: RIMLOCK

Capacitances	C_a	=	6,3 pF
Capacités	C_{g_1}	=	11 pF
Kapazitäten	C_{a, g_1}	<	1 pF
	$C_{g_1, f}$	<	0,1 pF

Typical characteristics class A
 Caractéristiques d'utilisation classe A
 Betriebsdaten Klasse A

V_a	=	100	170 V
V_{g_2}	=	100	170 V
V_{g_1}	=	-5,7	-10,4 V
I_a	=	29	53 mA
I_{g_2}	=	5,5,	10 mA
S	=	8,0	9,5 mA/V
R_1	=	18	20 kΩ
R_a	=	3	3 kΩ
μ_{g_2, g_1}	=	10	10
W_0 (dtot = 10%)	=	1,25	4,0 W
V_1 (dtot = 10%)	=	3,8	6,0 V_{eff}
V_1 ($W_0 = 50 \text{ mW}$)	=	0,55	0,5 V_{eff}

Operating characteristics class AB
 Caractéristiques d'utilisation classe AB
 Betriebsdaten Klasse AB

V_a	=	100		170	V	
V_{g2}	=	100		170	V	
R_k	=	100		100	Ω	
$R_{aa\omega}$	=	4,0		4,0	k Ω	
V_i	=	0	4,6	0	9,3	V_{eff}
I_a	=	2x24	2x27	2x44	2x49	mA
I_{g2}	=	2x4,6	2x6,8	2x8,8	2x16,5	mA
W_o	=	0	2,2	0	9	W
$dtot$	=	-	3,5	-	4,0	%

Limiting values
 Caractéristiques limites
 Grenzdaten

V_{a0}	= max.	550	V
V_a	= max.	250	V
W_a	= max.	9	W
V_{g2o}	= max.	550	V
V_{g2}	= max.	250	V
$W_{g2}(V_i = 0)$	= max.	1,75	W
$W_{g2}(W_o = \text{max.})$	= max.	4,0	W
I_k	= max.	75	mA
$V_{g1}(I_{g1} = +0,3\mu\text{A})$	= max.	-1,3	V
$R_{g1}(R_k = 165\ \Omega)$	= max.	1	M Ω
R_{xf}	= max.	20	k Ω
V_{kf}	= max.	150	V

Operating characteristics class AB
 Caractéristiques d'utilisation classe AB
 Betriebsdaten Klasse AB

V_a	=	100		170	V
V_{g2}	=	100		170	V
R_k	=	100		100	Ω
R_{aa}	=	4,0		4,0	k Ω
V_i	=	0 4,6		0 9,3	
					V _{eff}
I_a	=	2x25	2x27	2x46	2x49 mA
I_{g2}	=	2x5,0	2x6,8	2x9,0	2x16,5 mA
W_o	=	0	2,2	0	9 W
d_{tot}	=	-	4,0	-	5,0 %

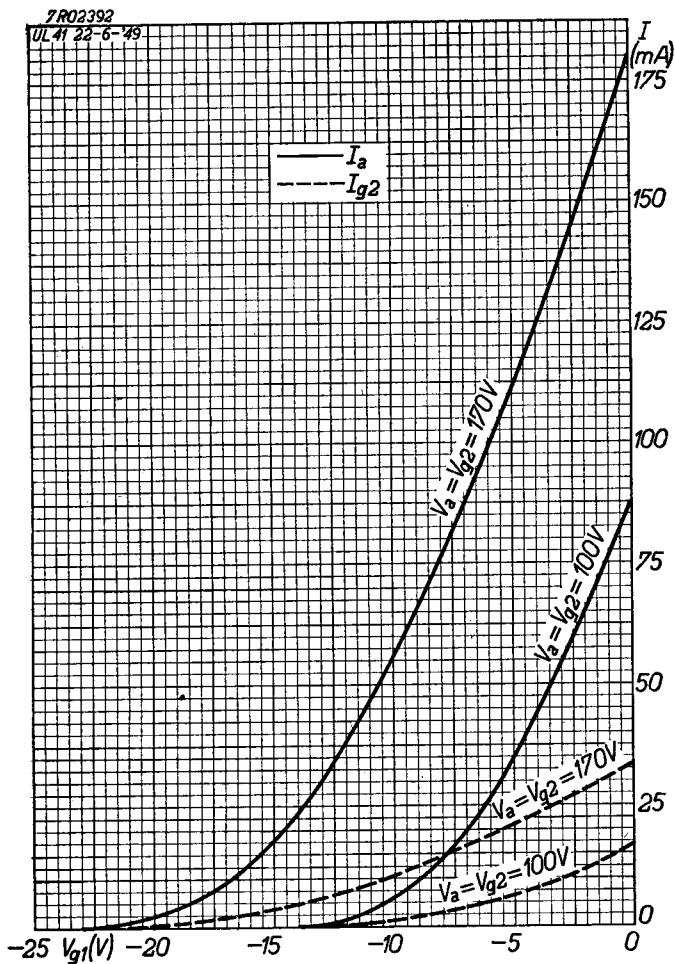
Limiting values
 Caractéristiques limites
 Grenzdaten

V_{a0}	= max.	550 V
V_a	= max.	250 V
W_a	= max.	9 W
V_{g20}	= max.	550 V
V_{g2}	= max.	250 V
W_{g2}	= max.	2,5 W
I_k	= max.	75 mA
V_{g1} ($I_{g1} = +0,3 \mu A$)	= max.	-1,3 V ¹⁾
R_{g1}	= max.	1 M Ω
R_{kf}	= max.	20 k Ω
V_{kf}	= max.	150 V

¹⁾With automatic bias
 Avec polarisation automatique
 Mit automatischer Gittervorspannung

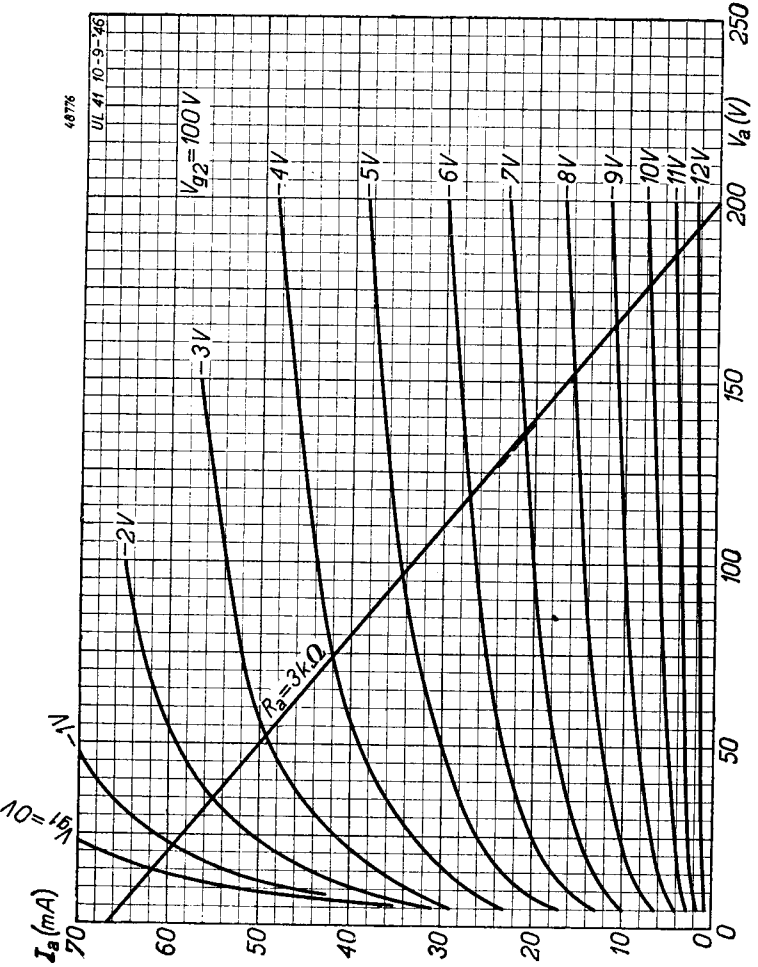
"Miniwatt"

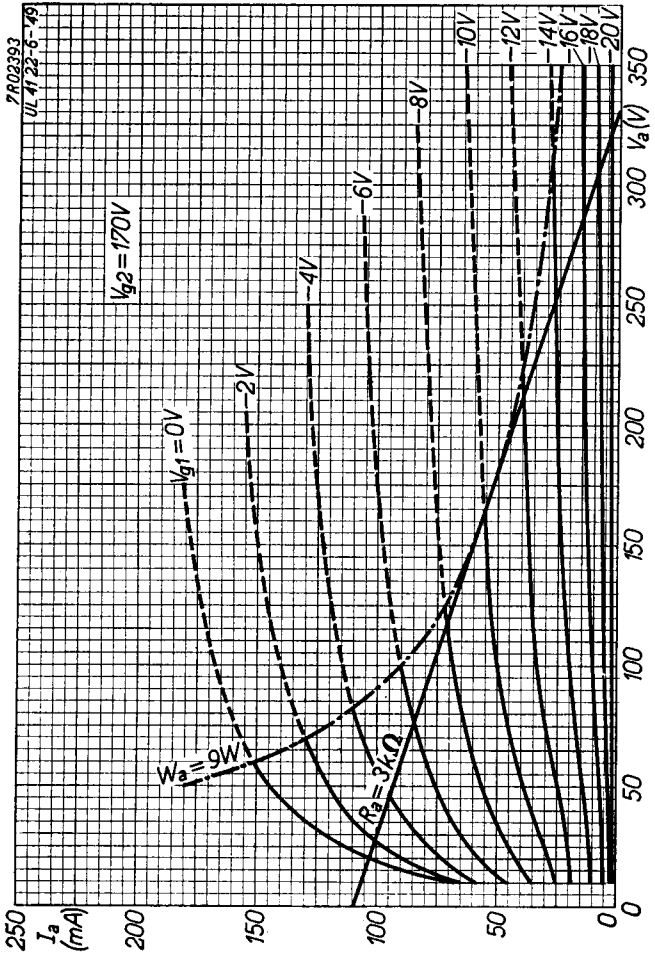
UL 41



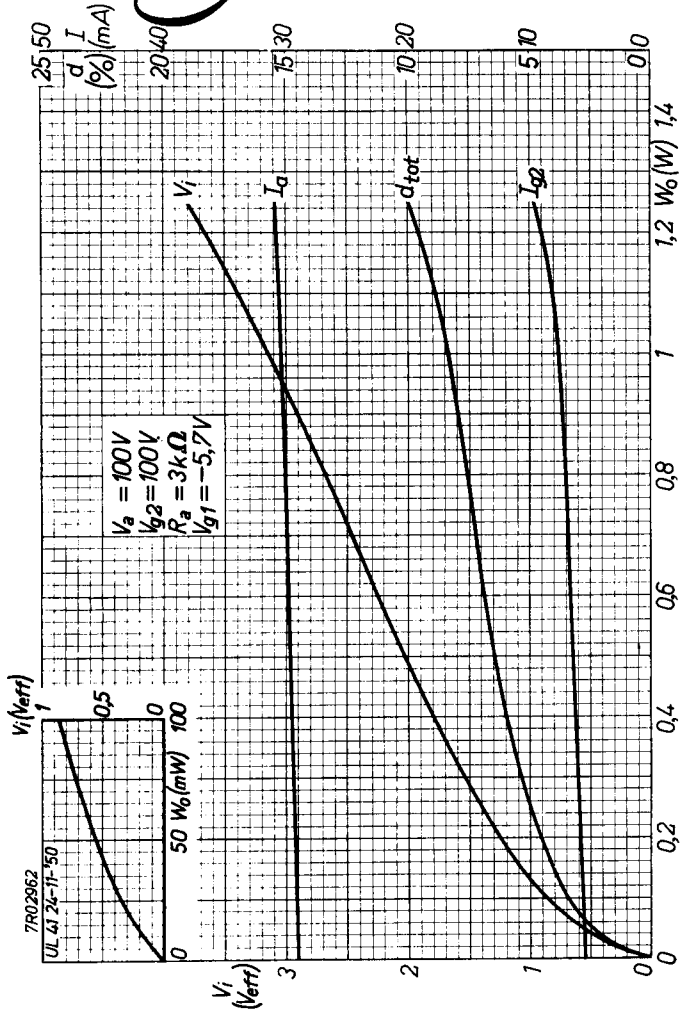
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"Miniwatt"



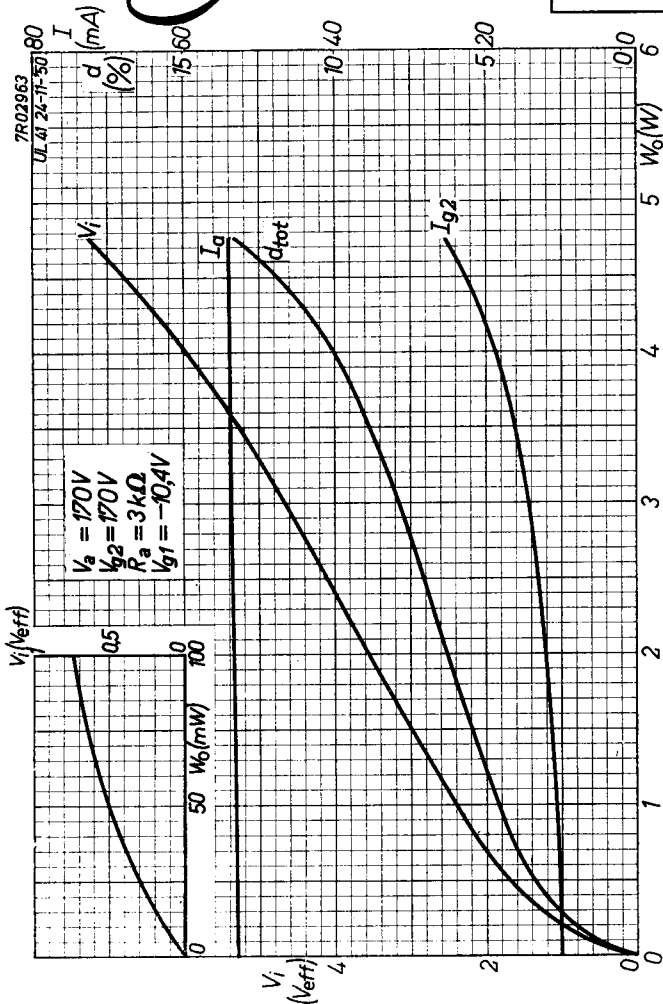


"Miniwatt"



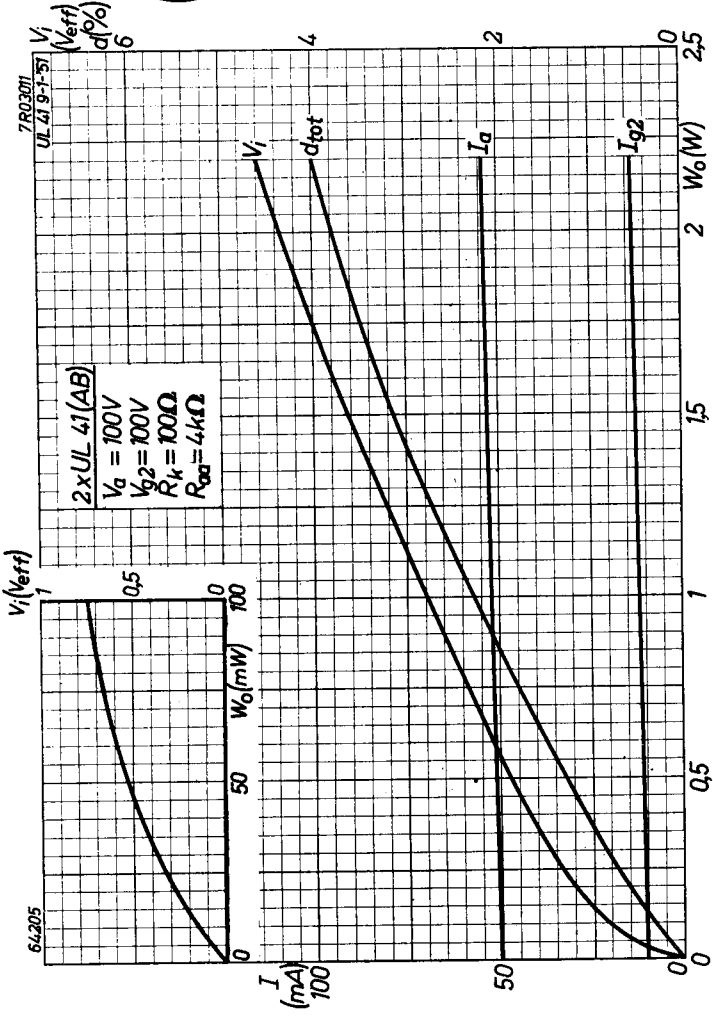
"Miniwatt"

UL 41



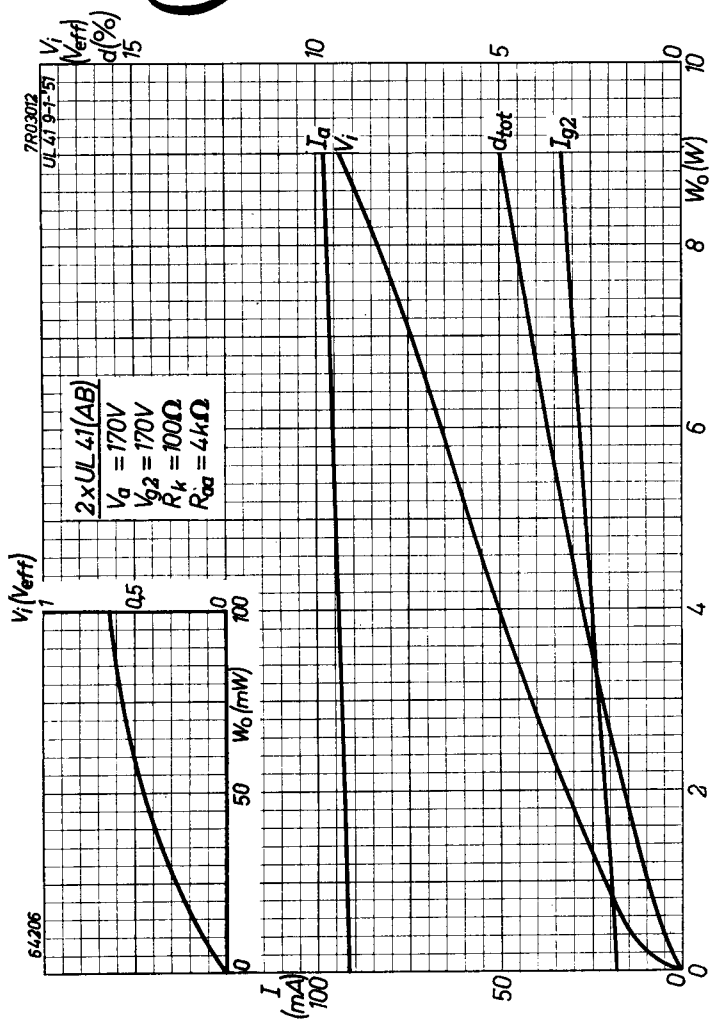
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"Miniwatt"



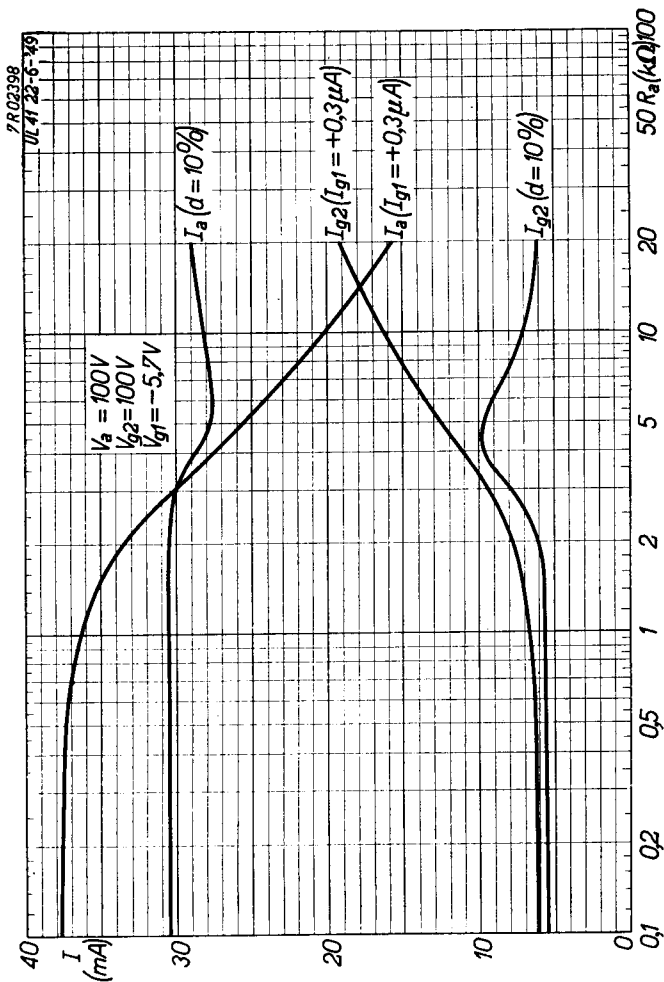
"Miniwatt"

UL 41



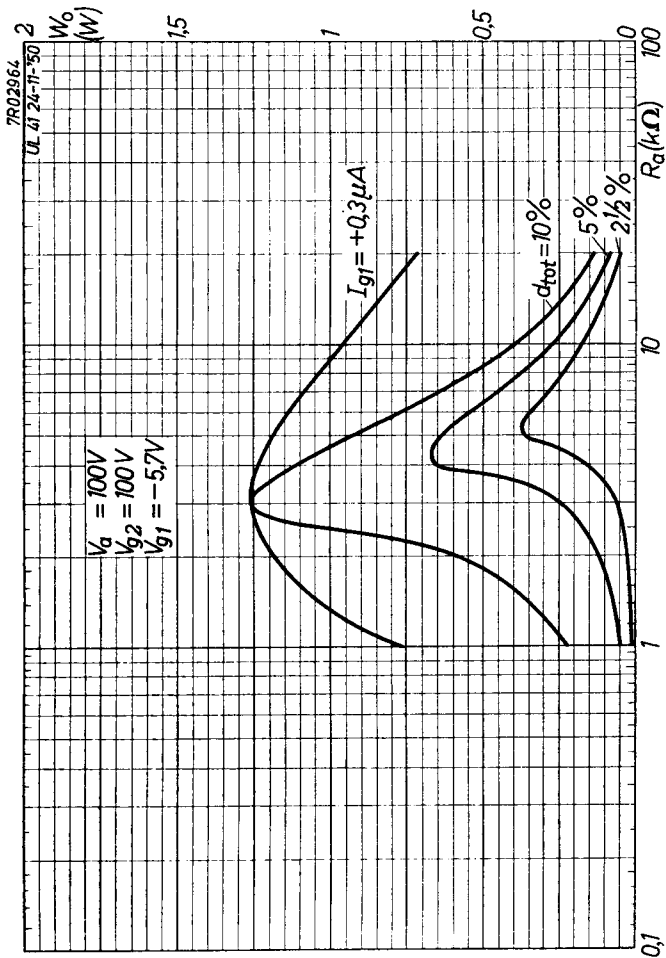
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"Miniwatt"



"Miniwatt"

UL 41

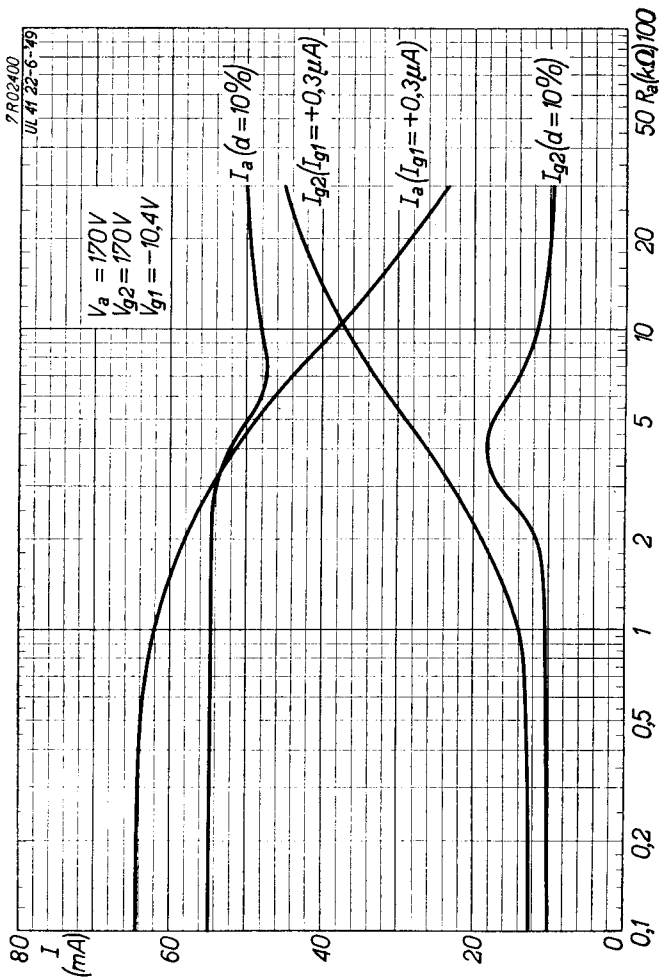


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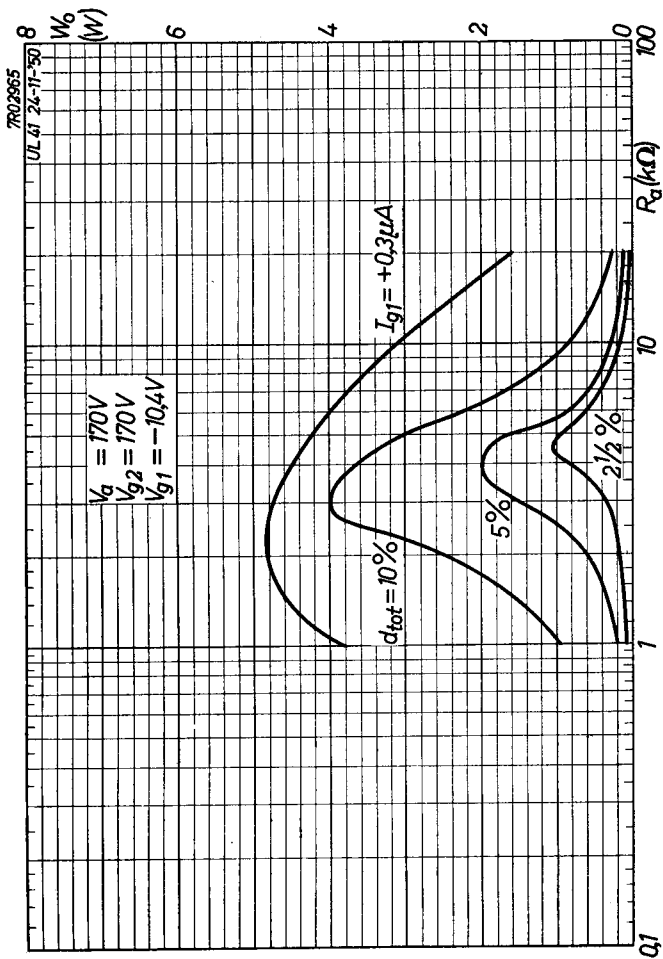
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"Miniwatt"



"Miniwatt"

UL 41



12.12.1950

K

PHILIPS

*Electronic
Tube*

HANDBOOK

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2	1	1955.05.05
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5	A	1949.07.07
6	B	1949.07.07
7	C	1950.12.12
8	D	1950.12.12
9	E	1950.12.12
10	F	1950.12.12
11	G	1951.02.02
12	H	1951.02.02
13	I	1950.12.12
14	J	1950.12.12
15	K	1950.12.12
16	FP	1999.10.12