

"Miniwatt" DL 65

OUTPUT PENTODE for hearing aids
PENTHODE DE SORTIE pour appareils de sourds
ENDPENTHODE für Schwerhörigengeräte

Heating: direct by D.C.;
parallel supply

Chauffage: direct par C.C.;
alimentation en parallèle

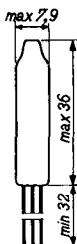
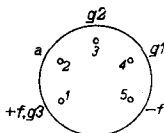
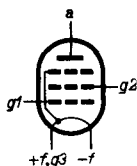
Heizung: direkt durch Gleichstrom;
Parallelspeisung

$V_f = 1,25 \text{ V}$
 $I_f = 13 \text{ mA}$

Dimensions in mm

Dimensions en mm

Abmessungen in mm



Capacitances

Capacités

Kapazitäten

$C_{g1} = 2,5 \text{ pF}$

$C_a = 2,2 \text{ pF}$

$C_{ag1} < 0,2 \text{ pF}$

Typical characteristics

Caractéristiques typiques

Kenndaten

$V_a = 22,5 \text{ V}$

$V_{g2} = 22,5 \text{ V}$

$V_{g1} = -0,2 \text{ V}$

$I_a = 0,475 \text{ mA}$

$I_{g2} = 0,10 \text{ mA}$

$S = 0,42 \text{ mA/V}$

$\mu_{g2g1} = 9$

$R_i = 0,4 \text{ M}\Omega$

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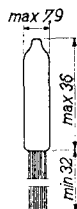
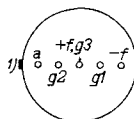
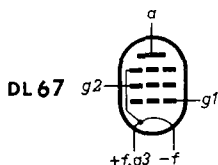
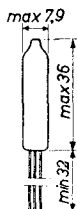
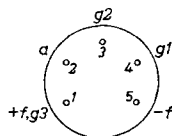
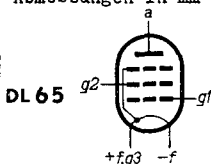
Heizung : direkt durch Gleichstrom
Parallelspeisung

$V_f = 1,25 \text{ V}$
 $I_f = 13 \text{ mA}$

Dimensions in mm

Dimensions en mm

Abmessungen in mm



Base, culot, Sockel: Subminiature

Capacitances

$C_{g1} = 2,5 \text{ pF}$

Capacités

$C_a = 2,2 \text{ pF}$

Kapazitäten

$C_{ag1} < 0,2 \text{ pF}$

Typical characteristics

Caractéristiques types

Kenndaten

$V_a = 22,5 \text{ V}$

$V_{g2} = 22,5 \text{ V}$

$V_{g1} = -0,2 \text{ V}$

$I_a = 0,475 \text{ mA}$

$I_{g2} = 0,10 \text{ mA}$

$S = 0,42 \text{ mA/V}$

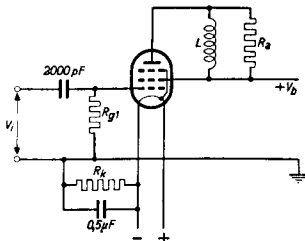
$R_i = 0,4 \text{ M}\Omega$

$\mu_{g2g1} = 9$

1) Red spot. Point rouge. Roter Punkt.

Operating characteristics
Caractéristiques d'utilisation
Betriebsdaten

Vb	=	22,5		22,5		V
Ra	=	0,1		0,1		MΩ
Rg1	=	10 ¹)		3		MΩ
Rk	=	0		4		kΩ
Vi	=	0	0,45	0	0,67	V _{eff}
Ia	=	0,5	0,34	0,20	0,19	mA
Ig2	=	0,095	0,09	0,04	0,07	mA
Wo	=	0	1,8	0	1,6	mW
d _{tot}	=	-	10	-	10	%



Limiting values
Caractéristiques limites
Grenzdaten

Va	= max.	45 V
Wa	= max.	25 mW
Vg2	= max.	45 V
Wg2	= max.	6 mW
Ik	= max.	0,6 mA
Vg1 (Ig1 = +0,3 μ A)	= max.	-0,2 V
Rg1	= max.	10 M Ω
Vf	= max.	1,55 V
Vf	= min.	0,9 V

¹⁾ The input damping of the valve is about 3.5 M Ω in this case

l'Amortissement d'entrée est d'environ 3,5 M€ en ce cas

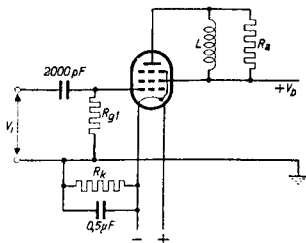
Die Eingangsdämpfung ist in diesem Fall etwa $3,5 \text{ M}\Omega$

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Operating characteristics
Caracteristiques d'utilisation
Betriebsdaten

V_b	=	22,5	22,5	V
R_a	=	0,1	0,1	MΩ
R_{g1}	=	10^1	3	MΩ
R_k	=	0	4	kΩ
V_i	=	0 0,45	0 0,67	V_{eff}
I_a	=	0,5 0,34	0,20 0,19	mA
I_{g2}	=	0,095 0,09	0,04 0,07	mA
W_o	=	0 1,8	0 1,6	mW
dt_{tot}	=	- 10	- 10	%

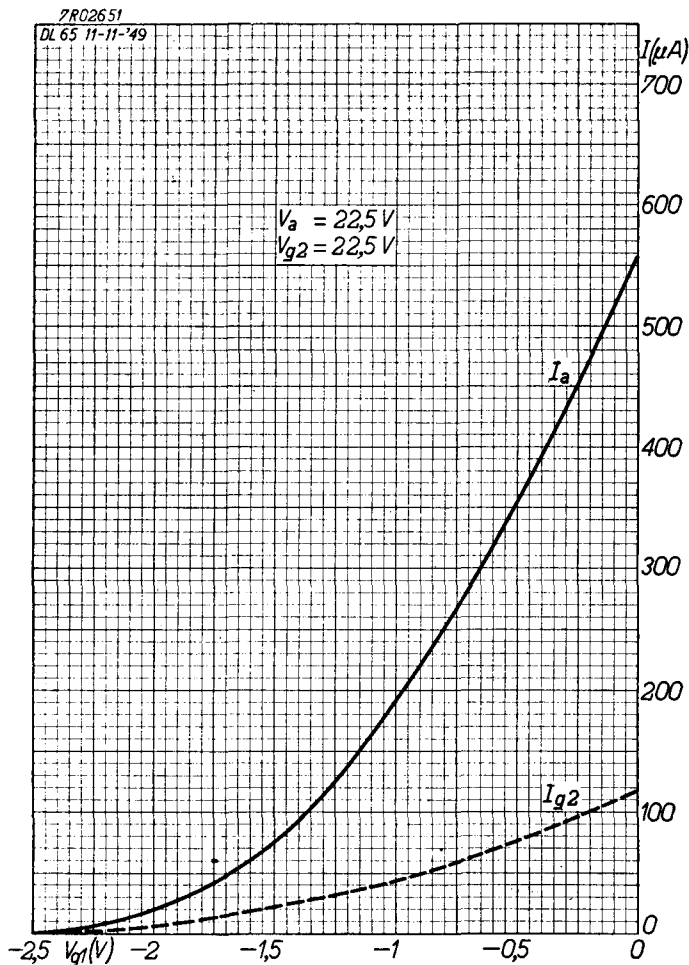


Limiting values
Caracteristiques limites
Grenzdaten

V_a	= max.	45	V
W_a	= max.	25	mW
V_{g2}	= max.	45	V
W_{g2}	= max.	6	mW
I_k	= max.	0,6	mA
V_{g1} ($I_{g1} = +0,3 \mu A$)	= max.	-0,2	V
R_{g1}	= max.	10	MΩ
V_f	= max.	1,55	V
V_f	= min.	0,9	V

¹⁾ The input resistance of the tube is about 3.5 MΩ in this case
La résistance d'entrée du tube est de 3,5 MΩ environ en ce cas
Die Eingangswiderstand der Röhre beträgt etwa 3,5 MΩ in diesem Fall

"Miniwatt"

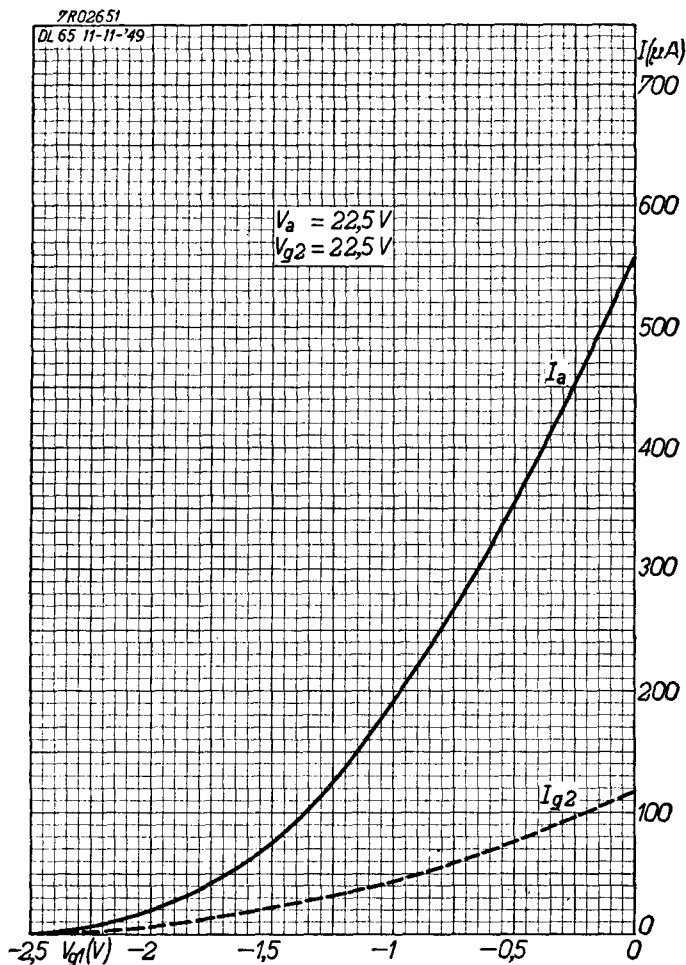
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11.11.1949

A

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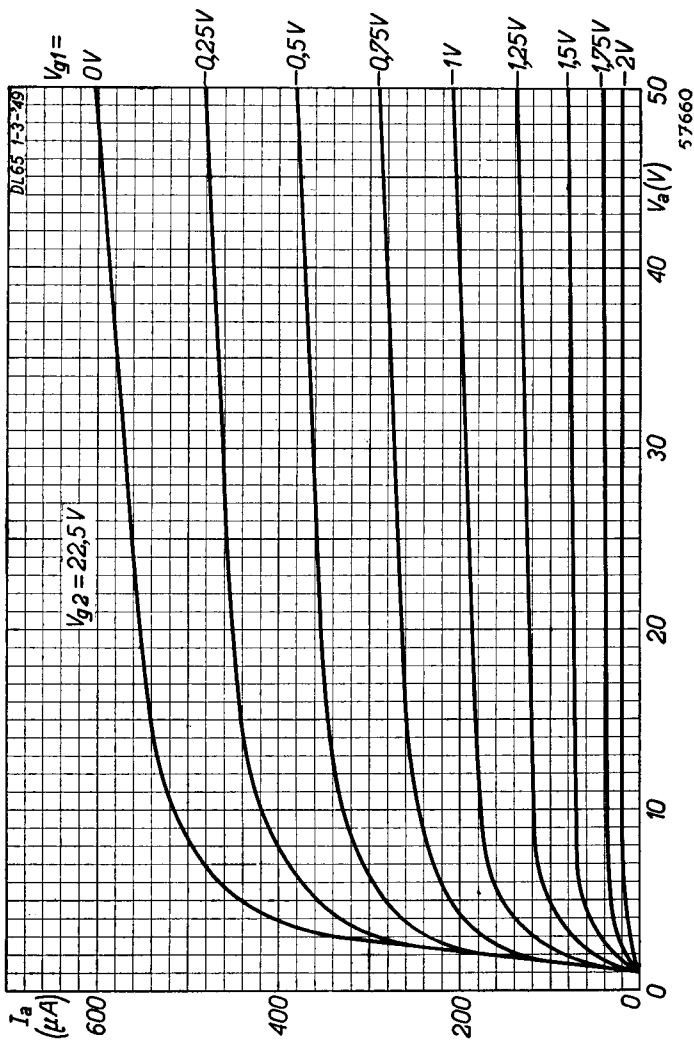


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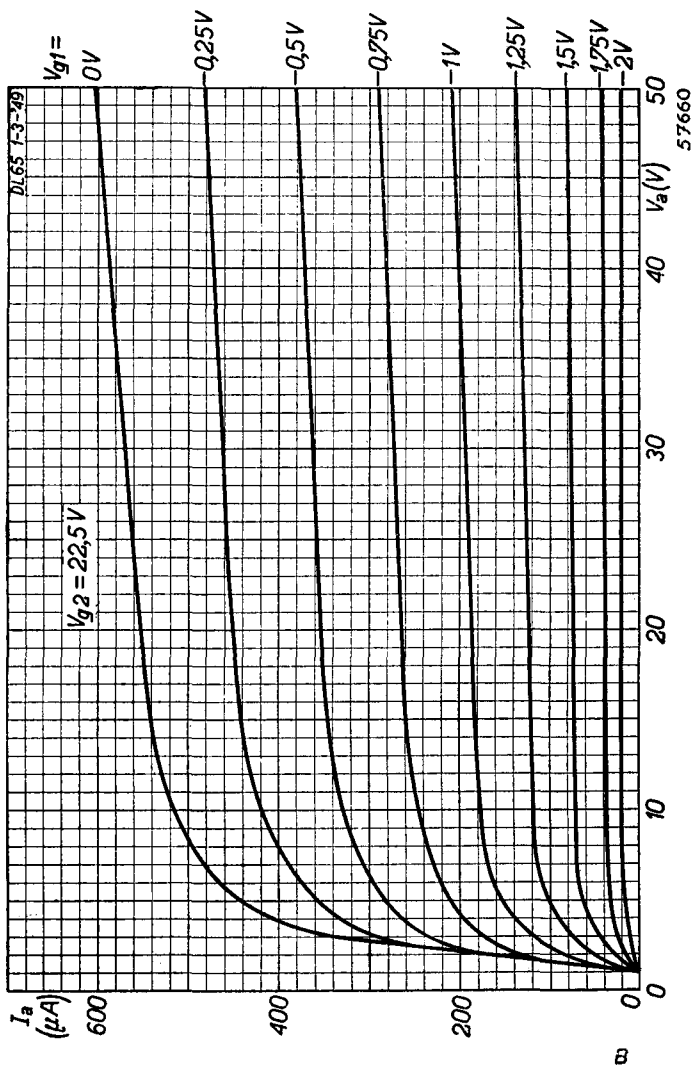
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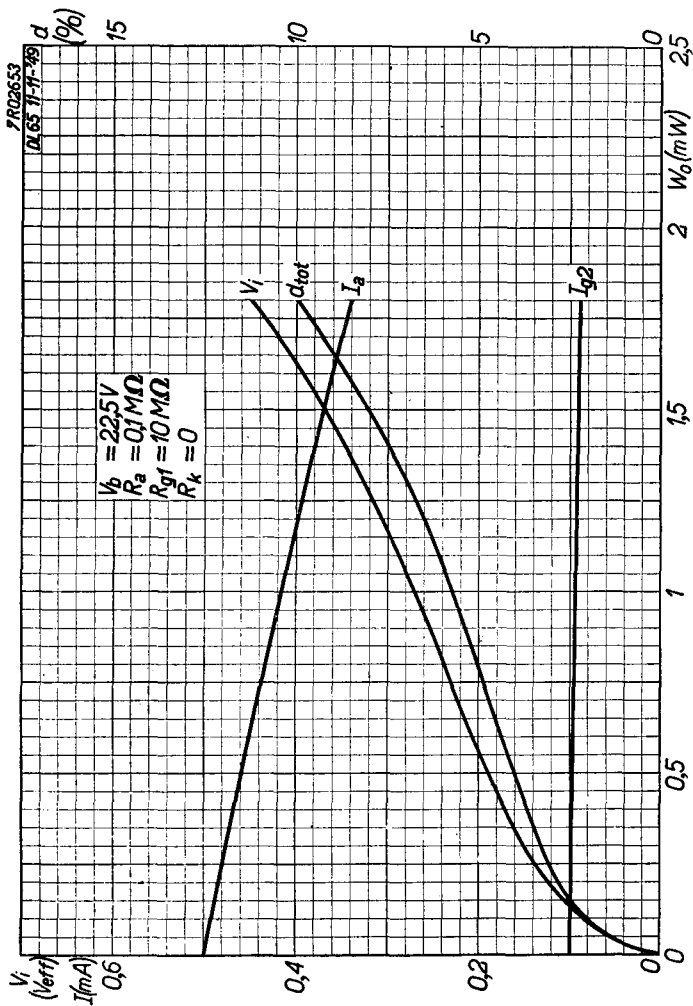
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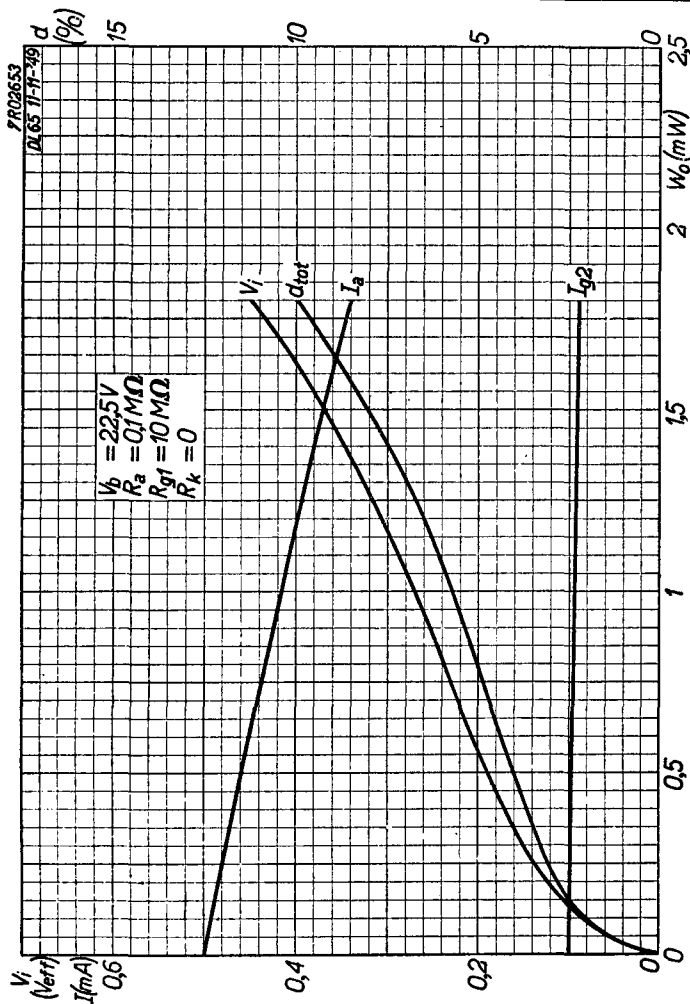
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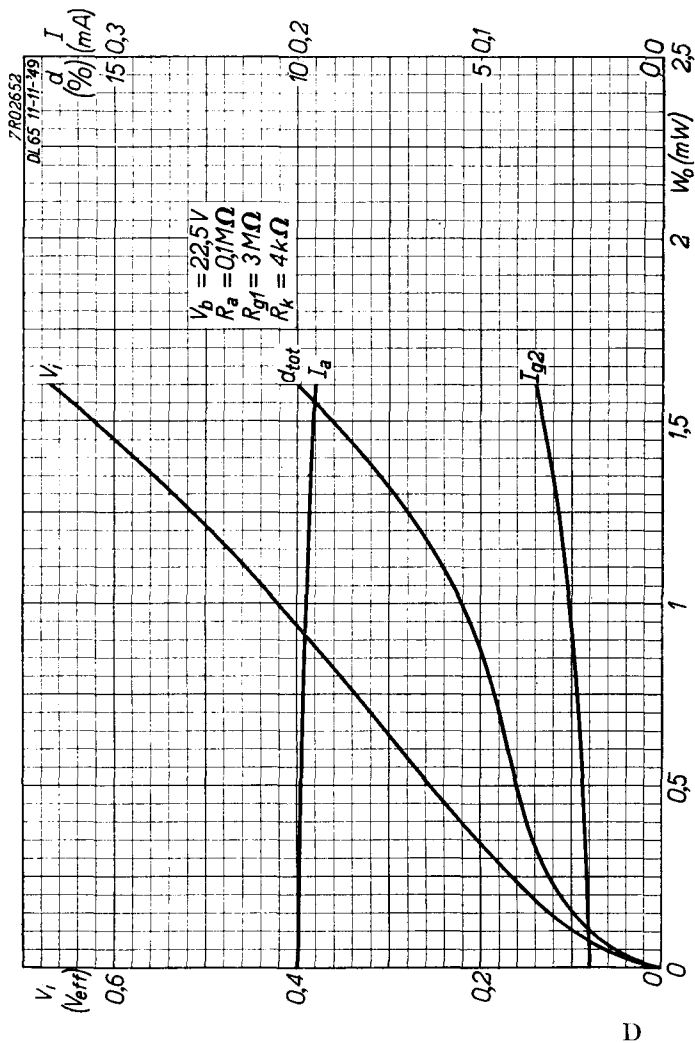
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C



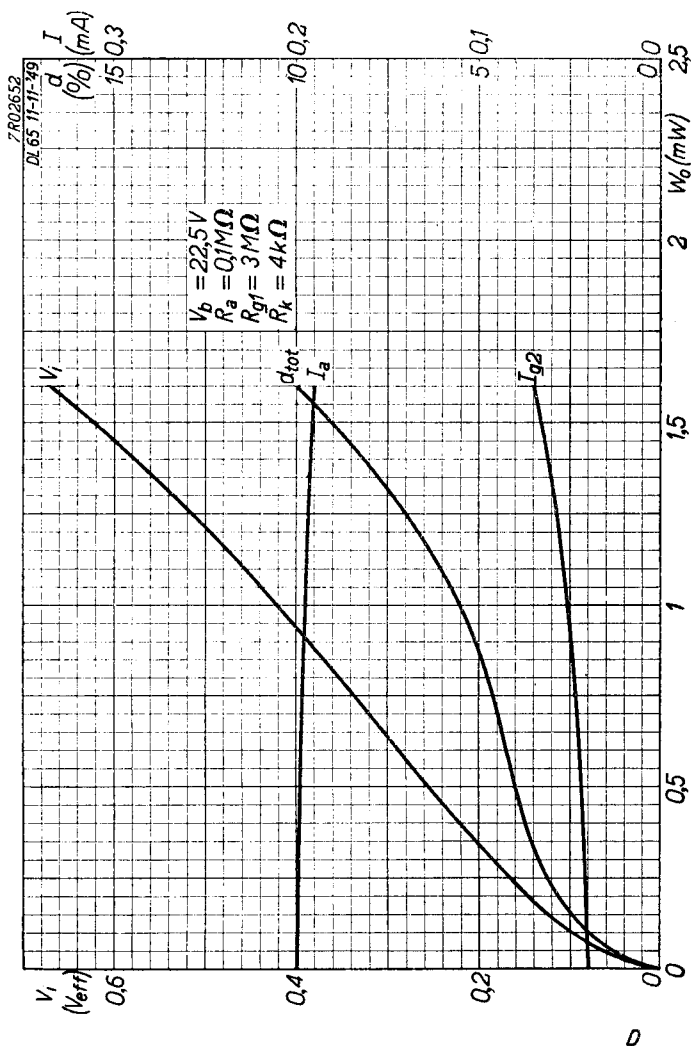
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4	2	1953.11.11
5	A	1949.11.11
6	A	1953.11.11
7	B	1949.11.11
8	B	1953.11.11
9	C	1949.11.11
10	C	1953.11.11
11	D	1949.11.11
12	D	1953.11.11
13	FP	1999.08.22