

DOUBLE TRIODE for use as R.F. amplifier and selfoscillating mixer

DOUBLE TRIODE pour utilisation en amplificatrice H.F. et tube mélangeur auto-oscillateur

DOPPELTRIODE zur Verwendung als HF-Verstärker und selbstschwingende Mischröhre

Heating: indirect by A.C. or D.C.; parallel supply

Chauffage: indirect par C.A. ou C.C.; alimentation — parallèle

Heizung: indirekt durch Wechsel- oder Gleichstrom; Parallelspeisung

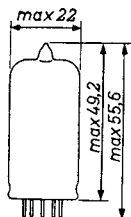
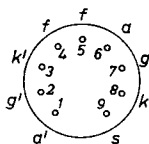
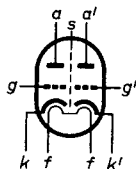
$V_f = 6,3 \text{ V}$

$I_f = 435 \text{ mA}$

Dimensions in mm

Dimensions en mm

Abmessungen in mm



Base, culot, Sockel: Noval

Capacitances

Capacités

Kapazitäten

$C_{ag} = 1,5 \text{ pF}$

$C_{a'g'} = 1,5 \text{ pF}$

$C_{ak} = 0,18 \text{ pF}$

$C_{a'k'} = 0,18 \text{ pF}$

$C_{a(k+f+s)} = 1,2 \text{ pF}$

$C_{a'(k'+f+s)} = 1,2 \text{ pF}$

$C_{g(k+f+s)} = 3,0 \text{ pF}$

$C_{g'(k'+f+s)} = 3,0 \text{ pF}$

$C_{a(k+f+s)} = 1,9 \text{ pF}^1)$

$C_{a'(k'+f+s)} = 1,9 \text{ pF}^1)$

$C_{aa'} < 0,04 \text{ pF}$

$C_{ak'} < 0,008 \text{ pF}$

$C_{gg'} < 0,003 \text{ pF}$

$C_{gk'} < 0,003 \text{ pF}$

$C_{ag'} < 0,008 \text{ pF}$

$C_{a'k} < 0,008 \text{ pF}$

$C_{a'g} < 0,008 \text{ pF}$

$C_{g'k} < 0,003 \text{ pF}$

$C_{aa'} < 0,008 \text{ pF}^1)$

¹⁾ With external shield (22.5 mm diameter)

Avec blindage extérieur (diamètre de 22,5 mm)

Mit äußerer Abschirmung (22,5 mm Durchmesser)

Typical characteristics
Caractéristiques types
Kenndaten

V_a	=	250 V
V_g	=	-2,3 V
I_a	=	10 mA
S	=	5,9 mA/V
μ	=	57

Operating characteristics as R.F. amplifier in F.M./A.M. receivers

Caractéristiques d'utilisation comme amplificatrice H.F. dans des récepteurs F.M./A.M.

Betriebsdaten als HF-Vertärker in FM/AM-Empfängern

V_b	=	250 V
R_a	=	1,8 k Ω
V_a	=	230 V
R_k	=	200 Ω
V_g	=	-2 V
I_a	=	10 mA
S	=	6,0 mA/V
R_i	=	9,7 k Ω
$r_g(f=100 \text{ Mc/s})$	=	6 k Ω
R_{eq}	=	0,5 k Ω

Operating characteristics as self-oscillating mixer in F.M./A.M. receivers

Caractéristiques d'utilisation comme tube mélangeur auto-oscillateur dans des récepteurs F.M./A.M.

Betriebsdaten als selbstschwingende Mischröhre in FM/AM-Empfängern

V_b	=	250 V
R_a	=	12 k Ω
R_g	=	1 M Ω
V_{osc}	=	3,0 V _{eff}
I_a	=	5,2 mA
S_c	=	2,3 mA/V
R_i	=	22 k Ω
$r_g(f=100 \text{ Mc/s})$	=	15 k Ω

Limiting values (each system)
Caractéristiques limites (par système)
Grenzdaten (pro System)

$V_{ao} = \text{max. } 550 \text{ V}$
 $V_a = \text{max. } 300 \text{ V}$
 $W_a = \text{max. } 2,5 \text{ W } ^1)$
 $I_k = \text{max. } 15 \text{ mA}$
 $-V_g = \text{max. } 100 \text{ V}$
 $R_g = \text{max. } 1 \text{ M}\Omega$
 $R_{kf} = \text{max. } 20 \text{ k}\Omega ^2)$
 $V_{kf} = \text{max. } 90 \text{ V}$

¹⁾ $W_a + W_{a'} = 4,5 \text{ W}$

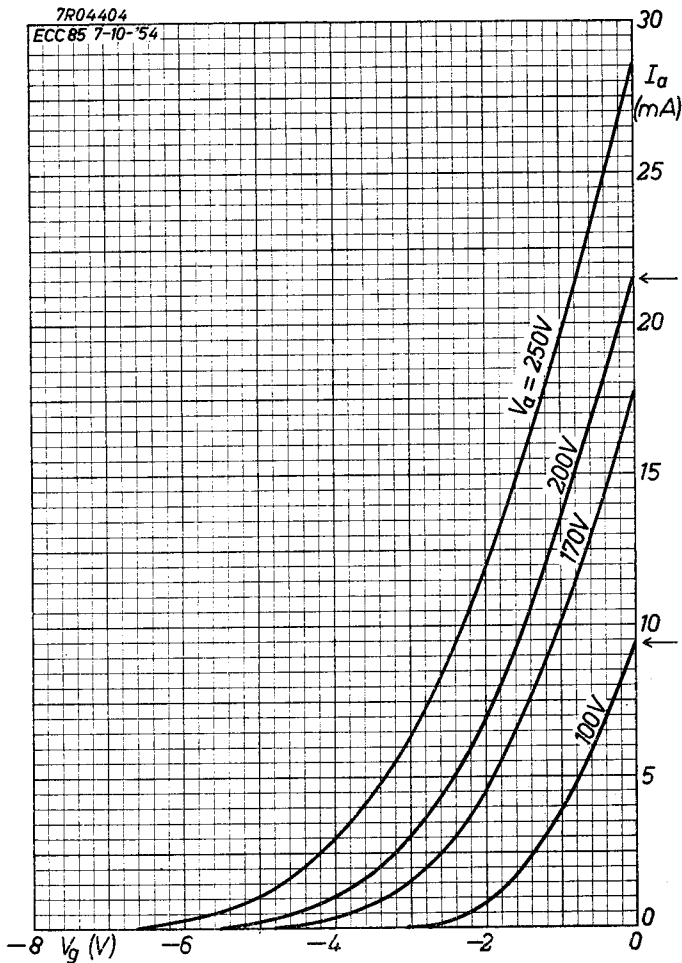
²⁾ Not valid for cascode connection
Ne pas valable pour le montage cascode
Nicht gültig für Kaskodenschaltung

PHILIPS

ECC 85

7R04404

ECC 85 7-10-'54

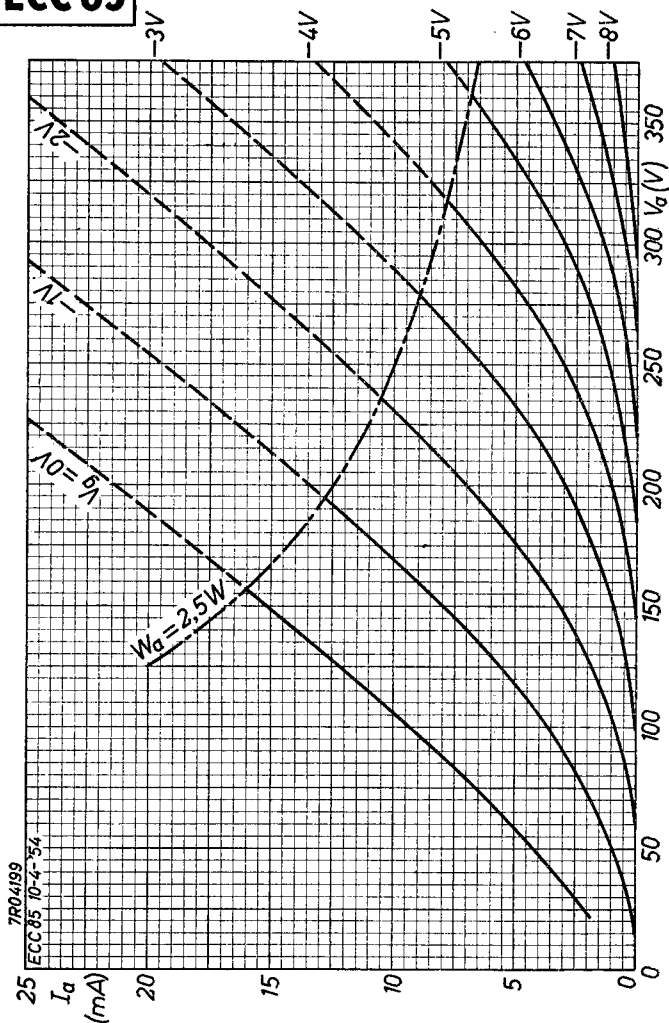


10.10.1954

A

PHILIPS

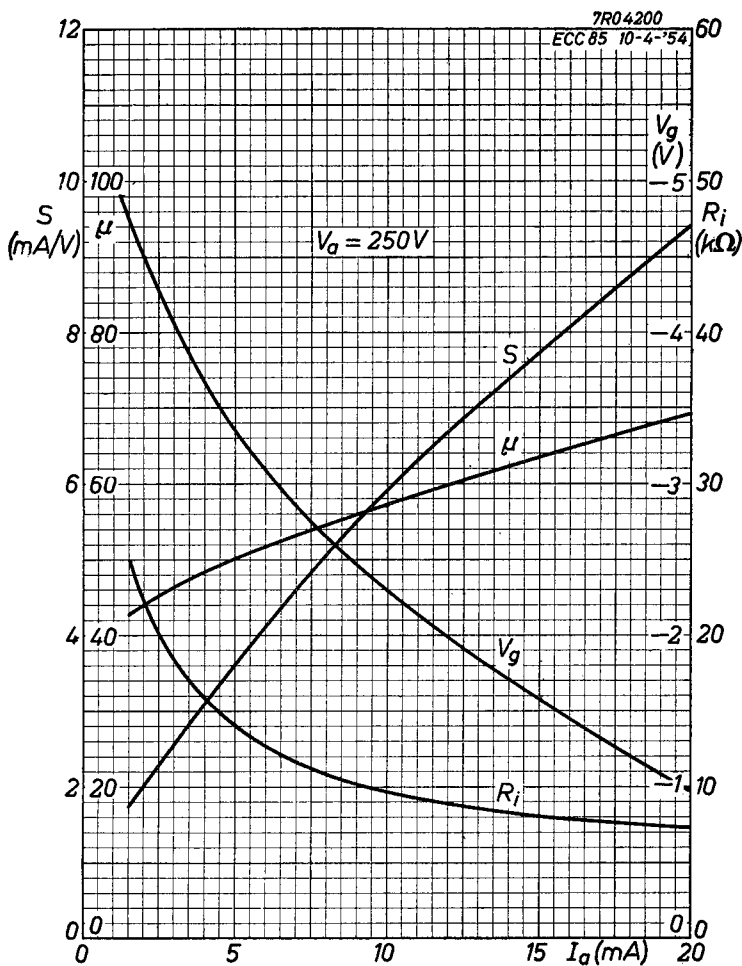
ECC 85



B

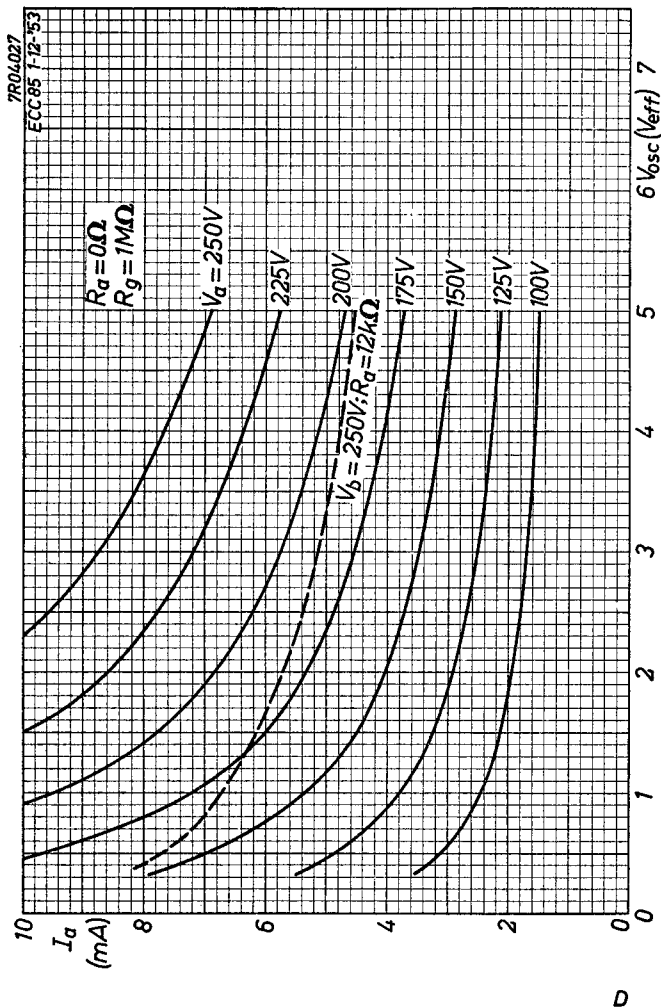
PHILIPS

ECC 85



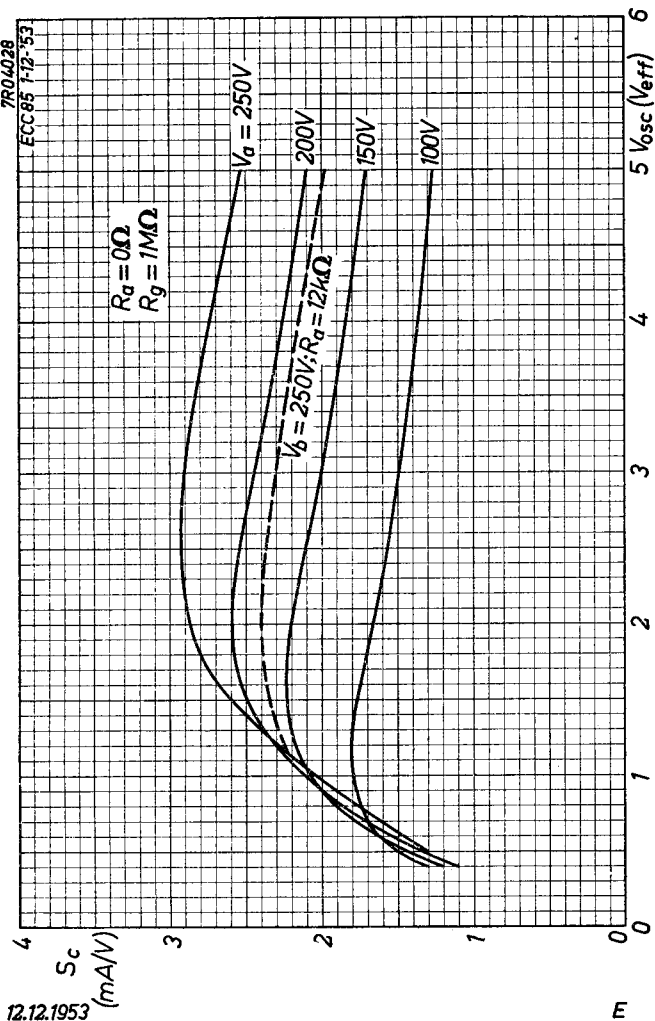
4.4.1954

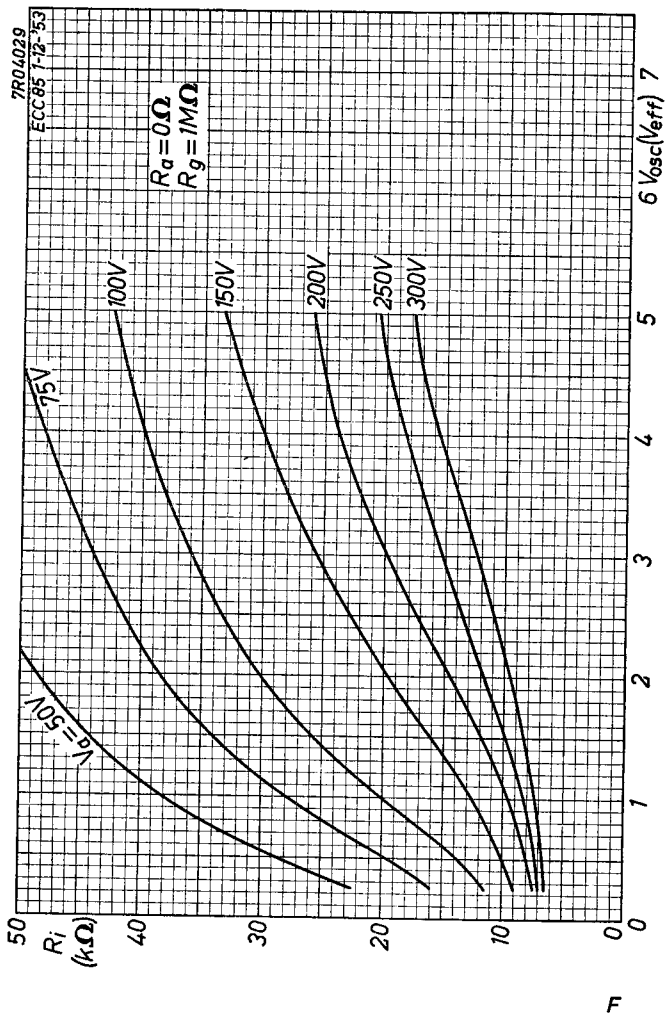
C

ECC 85**PHILIPS**

7R04028

ECC 85 1-12-53



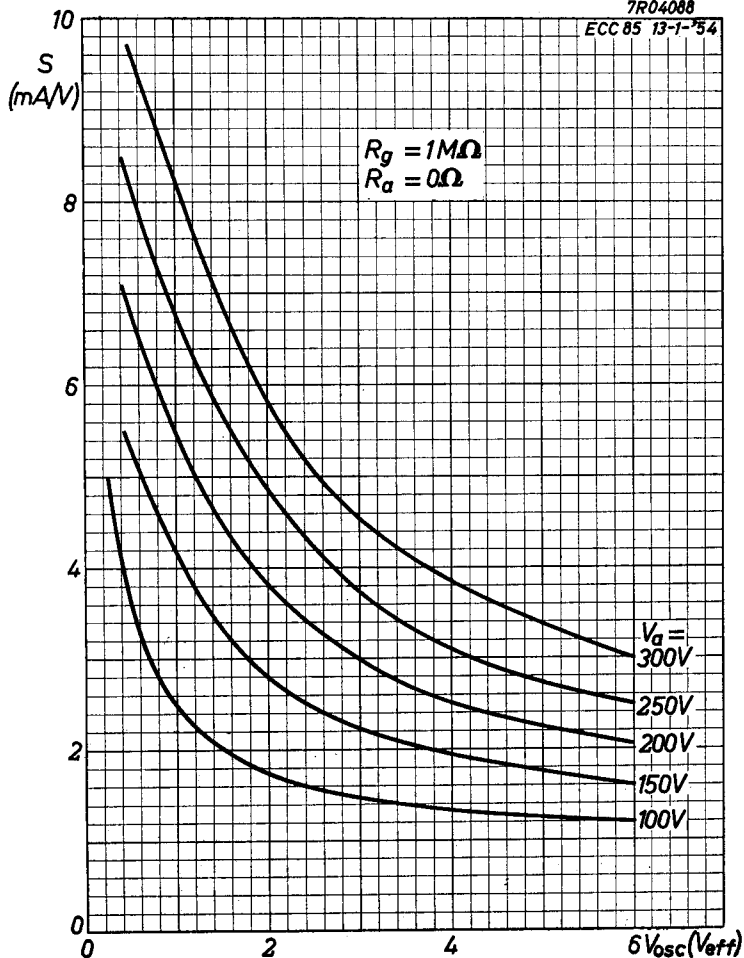
ECC 85**PHILIPS**

PHILIPS

ECC 85

7R04088

ECC 85 13-1-54



1.1.1954

G



page	ECC85 sheet	date
1	1	1954.11.11
2	2	1954.11.11
3	3	1954.11.11
4	A	1954.10.10
5	B	1954.10.10
6	C	1954.04.04
7	D	1954.04.04
8	E	1953.12.12
9	F	1953.12.12
10	G	1954.01.01
11	FP	1999.06.25