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ECC 85

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

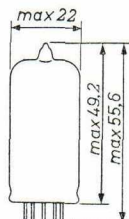
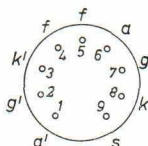
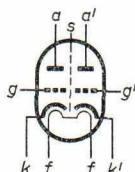
$V_f = 6,3 \text{ V}$

$I_f = 435 \text{ mA}$

Dimensions in mm

Dimensions en mm

Abmessungen in mm



Base, culot, Sockel: Noval

Capacitances

Capacités

Kapazitäten

C_{ag}	=	1,5 pF	$Ca'g'$	=	1,5 pF
C_{ak}	=	0,18 pF	$Ca'k'$	=	0,18 pF
$Ca(k+f+s)$	=	1,2 pF	$Ca'(k'+f+s)$	=	1,2 pF
$Cg(k+f+s)$	=	3,0 pF	$Cg'(k'+f+s)$	=	3,0 pF
$Ca(k+f+s)$	=	1,9 pF ¹⁾	$Ca'(k'+f+s)$	=	1,9 pF ¹⁾
$C_{aa'}$	<	0,04 pF	$C_{ak'}$	<	0,008 pF
$C_{gg'}$	<	0,003 pF	$C_{gk'}$	<	0,003 pF
$C_{ag'}$	<	0,008 pF	$Ca'k$	<	0,008 pF
$Ca'g$	<	0,008 pF	$Cg'k$	<	0,003 pF
			$C_{aa'}$	<	0,008 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

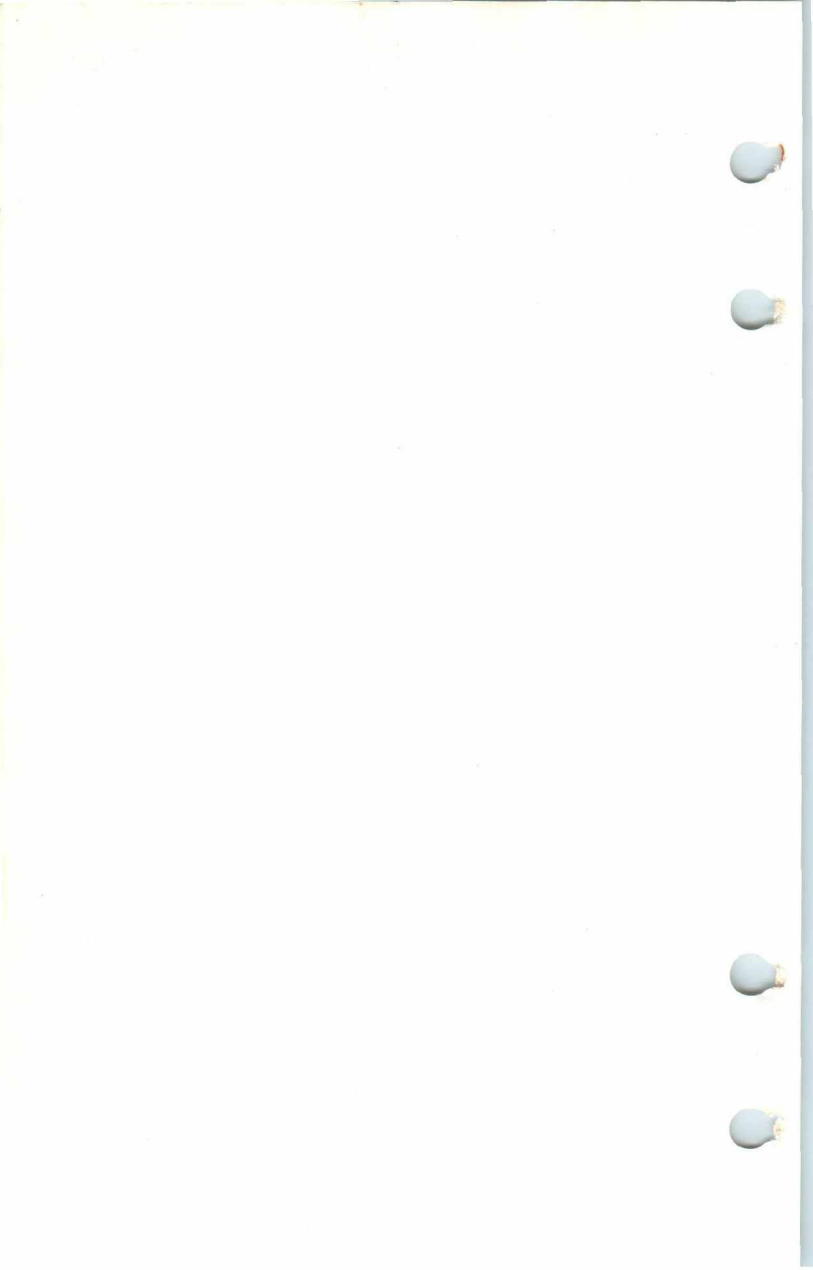
V_b	=	250 V
R_a	=	12 k Ω
R_g	=	1 M Ω
V_{osc}	=	3,0 V _{eff}
I_a	=	5,2 mA
S_c	=	2,3 mA/V
R_i	=	22 k Ω
$r_g(f=100 \text{ Mc/s})$	=	15 k Ω

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

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

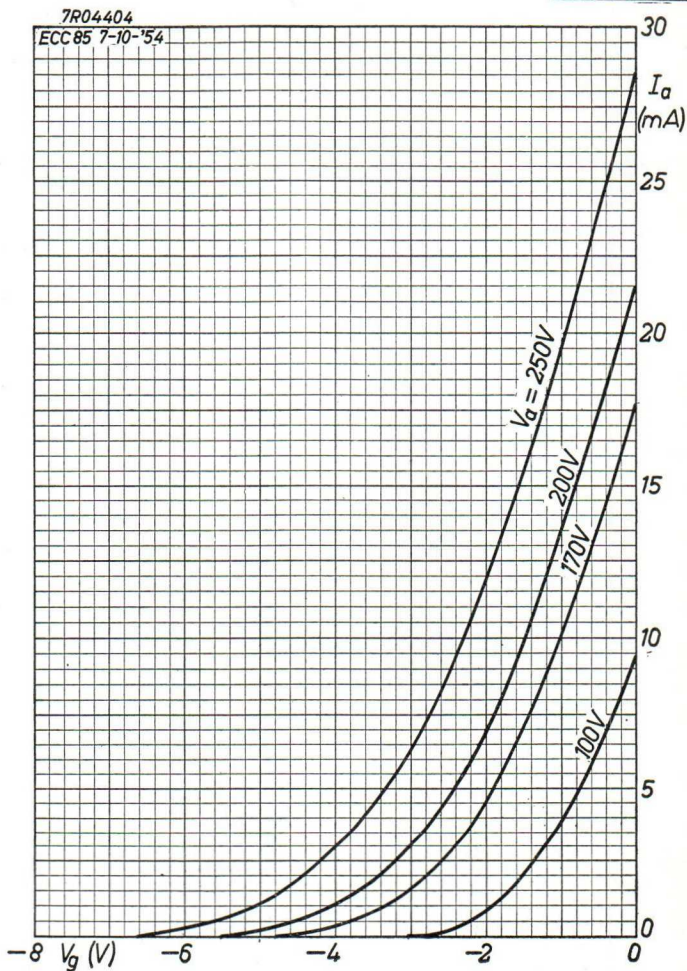
¹⁾ $W_a + W_{a'} = 4,5 \text{ W}$

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



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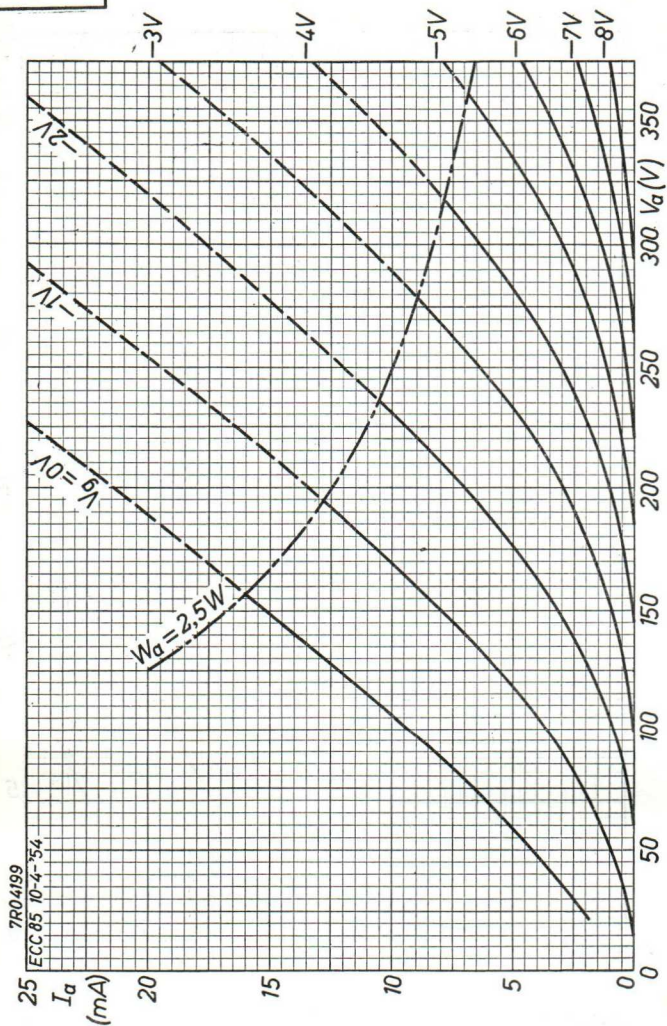


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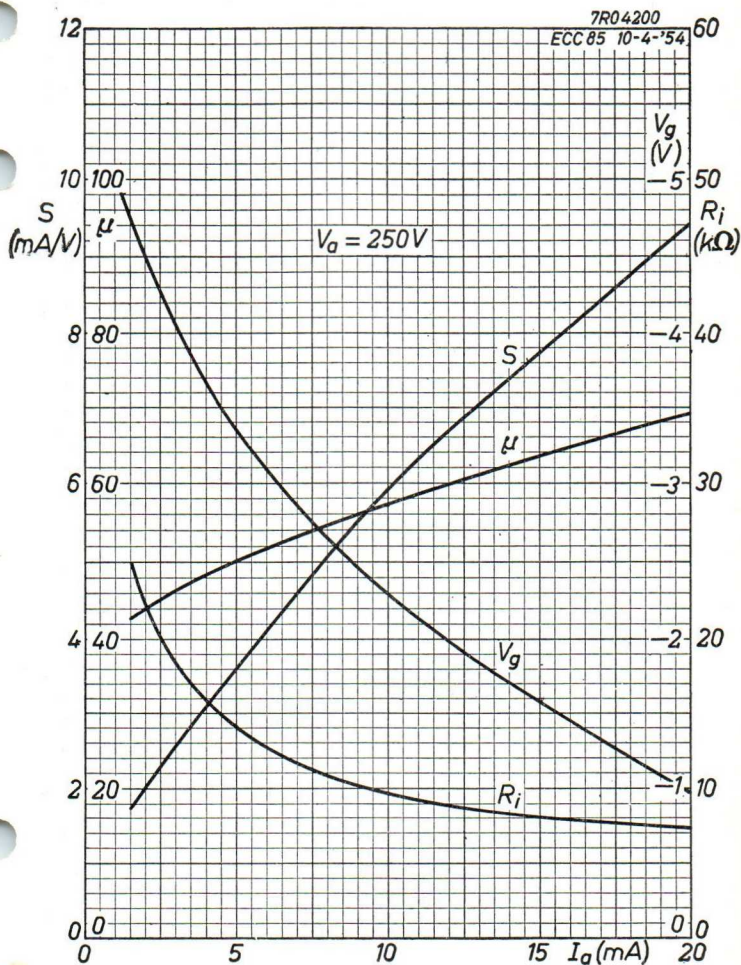
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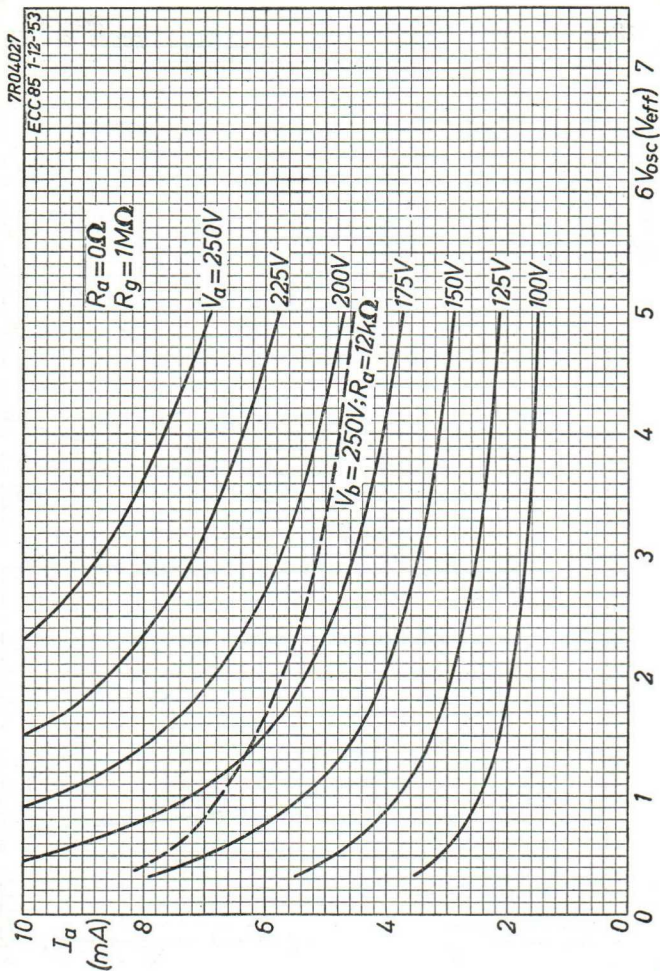
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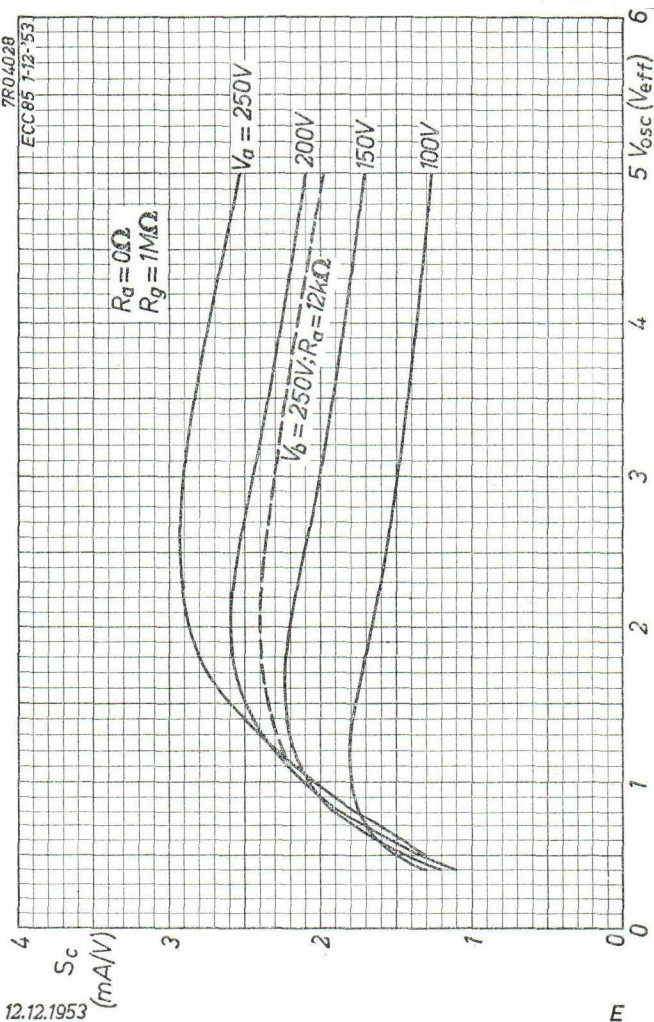
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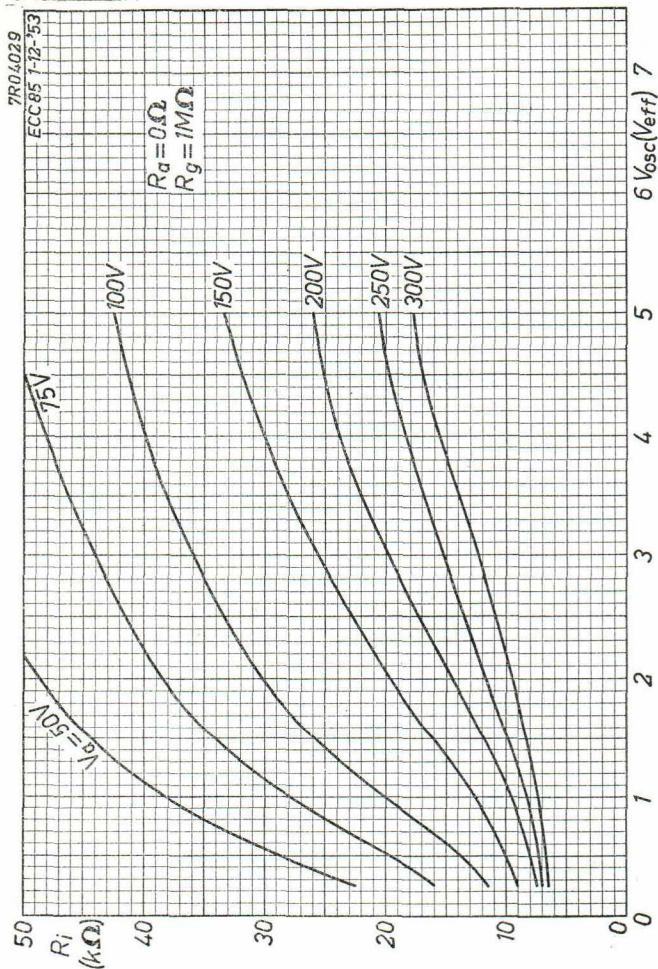
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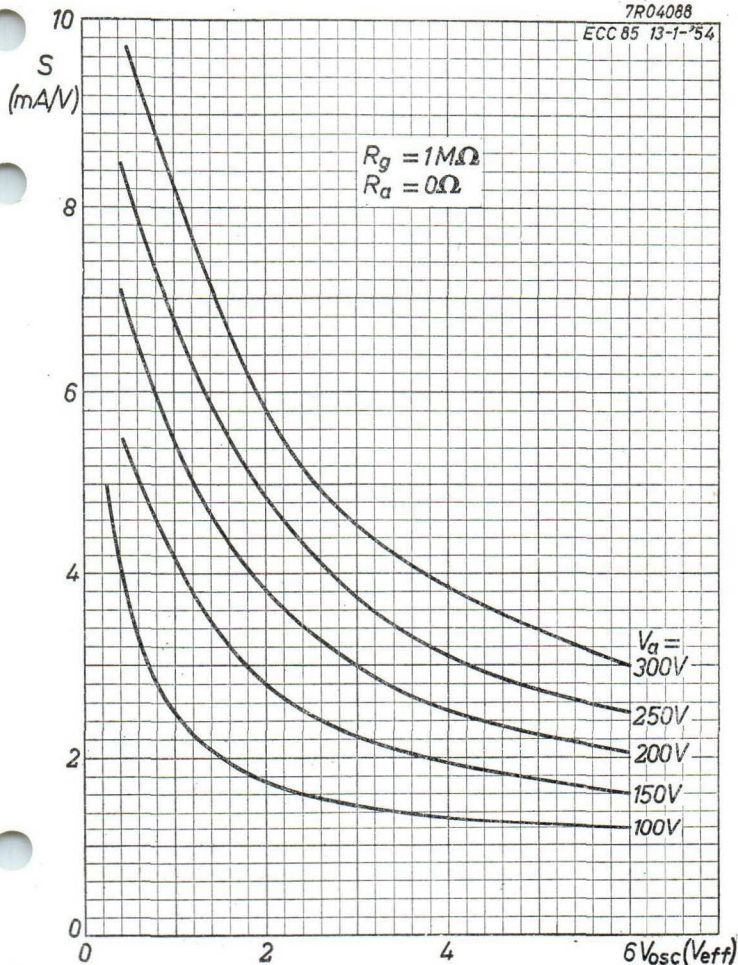
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