

R.F. PENTODE with variable mutual conductance for use as wide-band amplifier

PENTHODE H.F. à pente variable pour utilisation en amplificatrice à large bande

HF- PENTODE mit veränderlicher Steilheit zur Verwendung als Breitbandverstärker

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

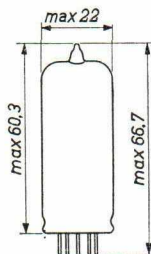
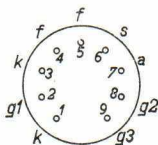
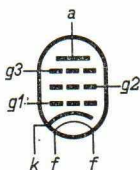
Chauffage: indirect par C.A. ou C.C.; Vf = 6,3 V
alimentation en parallèle If = 300 mA
ou en série

Heizung: indirect durch Wechsel-
oder Gleichstrom; Serien-
oder Parallelschaltung

Dimensions in mm

Dimensions en mm

Abmessungen in mm



Base, Pilot, Sockel: NOVAL

Capacitances

Capacités

Kapazitäten

Ca = 3,2 pF

Cg1 = 6,9 pF

Cag1 < 0,007 pF

Cg1f < 0,15 pF

Operating characteristics for use as R.F. or I.F. amplifier

Caractéristiques d'utilisation en amplificatrice H.F. ou M.F.

Betriebsdaten als H.F.- oder Z.F.-Verstärker

$V_a=V_b$	250		V
V_{g3}	0		V
R_{g2}	60		k Ω
V_{g1}	-2	-35	V
V_{g2}	100	-	V
I_a	10	-	mA
I_{g2}	2,5	-	mA
S	6,0	0,06	mA/V
R_i	0,6	>5	M Ω
R_{eq}	1,4	-	k Ω
$r_{g1}^{3)}$	9	-	k Ω
μ_{g2g1}	26	-	
$V_a=V_b$	250		V
V_{g3}	0		V
R_{g2}	18 ¹⁾		k Ω
V_{g1}	-1,9	-35	V
V_{g2}	97	-	V
I_a	10	-	mA
I_{Rg2}	8,5	-	mA
S	6,0	0,06	mA/V
R_i	0,6	> 5	M Ω
R_{eq}	1,4	-	k Ω

1) Common screen-grid resistor of EF 85 and ECH 81 as frequency changer.

Résistance grille-écran commune des tubes EF 85 et ECH 81 comme tube mélangeur.

Gemeinsamer Schirmgitterwiderstand der Röhren EF 85 und ECH 81 als Mischröhre.

2) Common screen-grid resistor of EF 85 and ECH 81 as R.F. or I.F. amplifier.

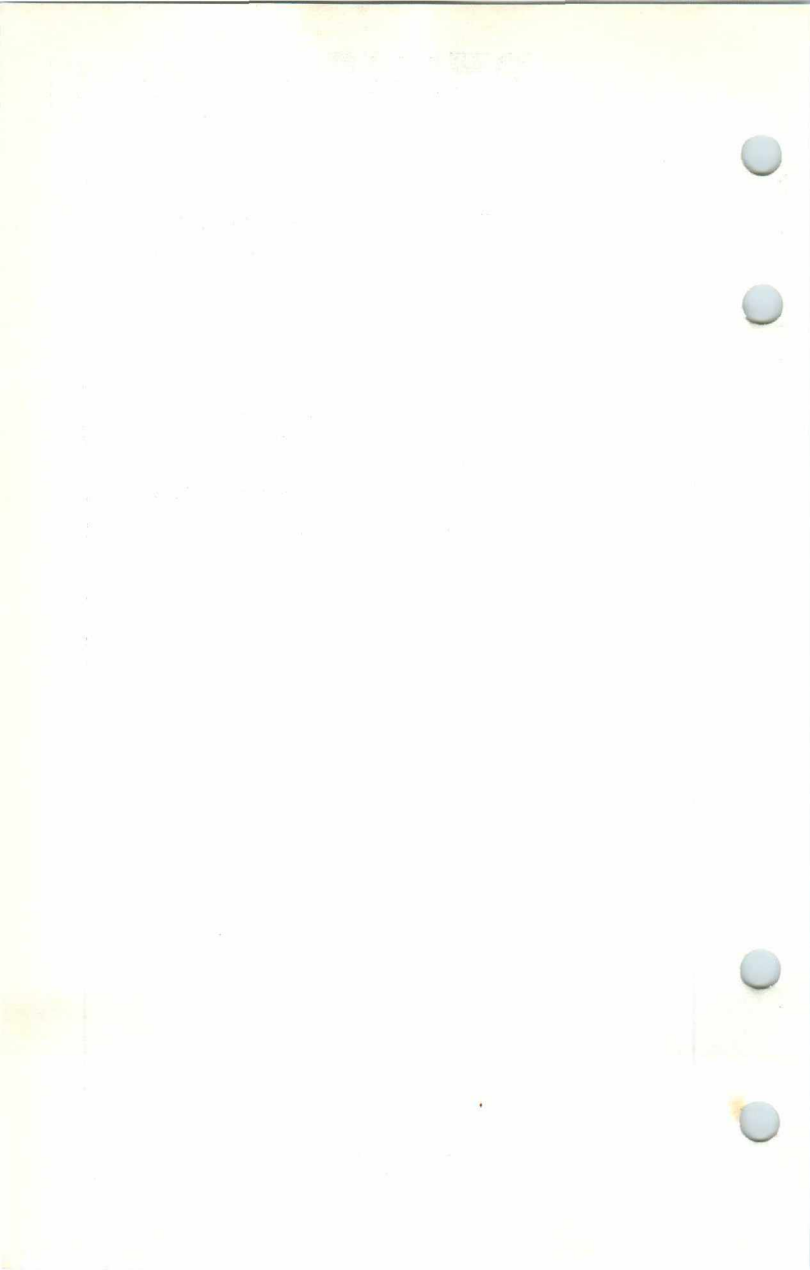
Résistance grille-écran commune des tubes EF 85 et ECH 81 comme tube amplificateur H.F. ou M.F.

Gemeinsamer Schirmgitterwiderstand der Röhren EF 85 und ECH 81 als H.F.- oder Z.F.-Verstärker.

3) Input resistance at 50 Mc/s. Résistance d'entrée à 50 Mc/s. Eingangswiderstand bei 50 MHz.

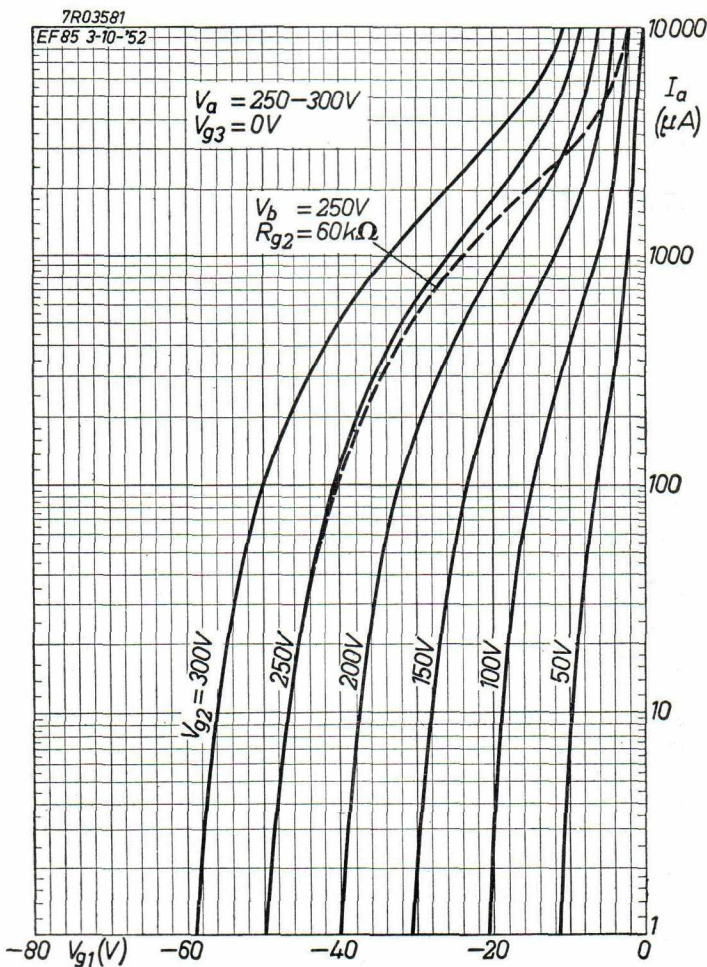
Limiting values
Caractéristiques limites
Grenzdaten

V_{ao}	= max.	550 V
V_a	= max.	250 V
W_a	= max.	2,5 W
V_{g2o}	= max.	550 V
V_{g2}	= max.	250 V
W_{g2}	= max.	0,65 W
I_k	= max.	15 mA
V_{g1} ($I_{g1} = +0,3 \mu A$)	= max.	-1,3 V
R_{g1}	= max.	3 M Ω
R_{kf}	= max.	20 k Ω
V_{kf}	= max.	150 V



PHILIPS

EF 85



10.10.1952

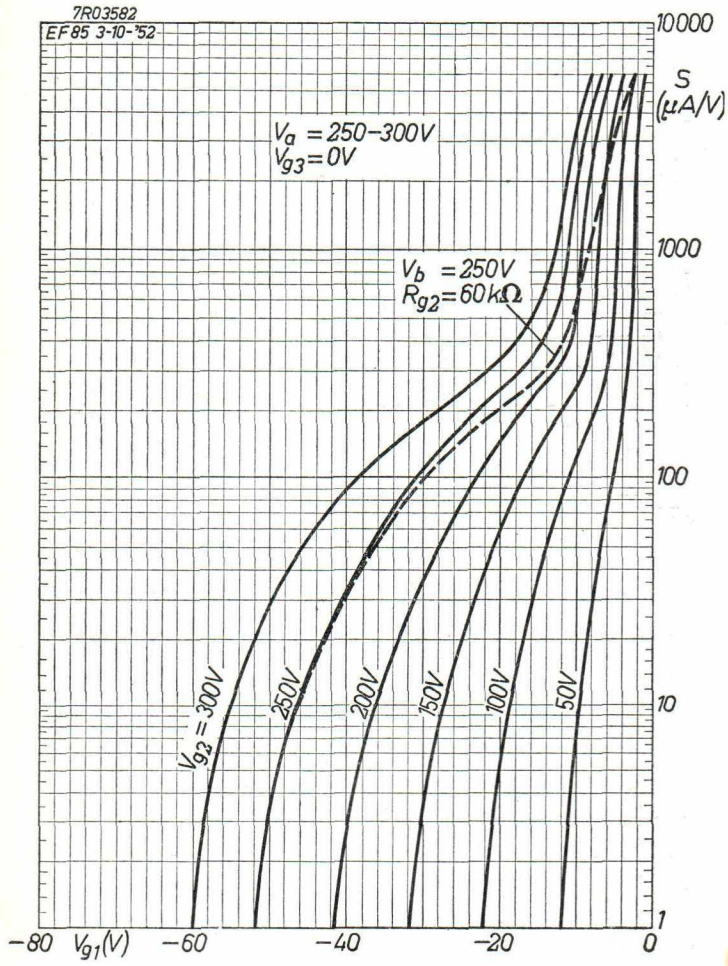
A

EF 85

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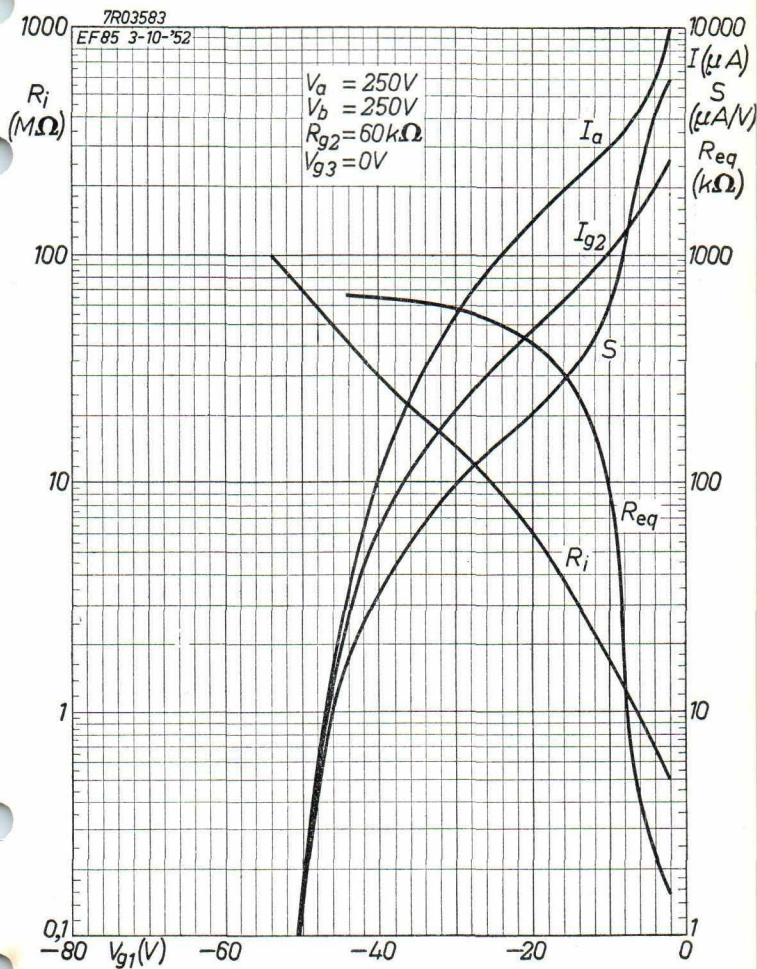
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EF85 3-10-'52



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EF 85

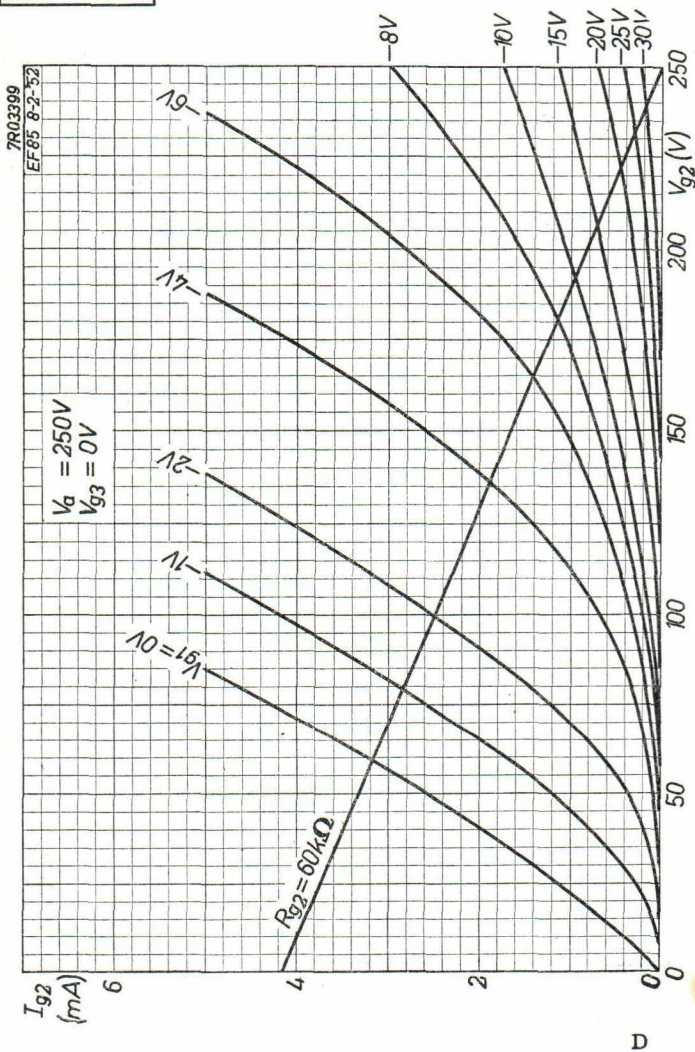


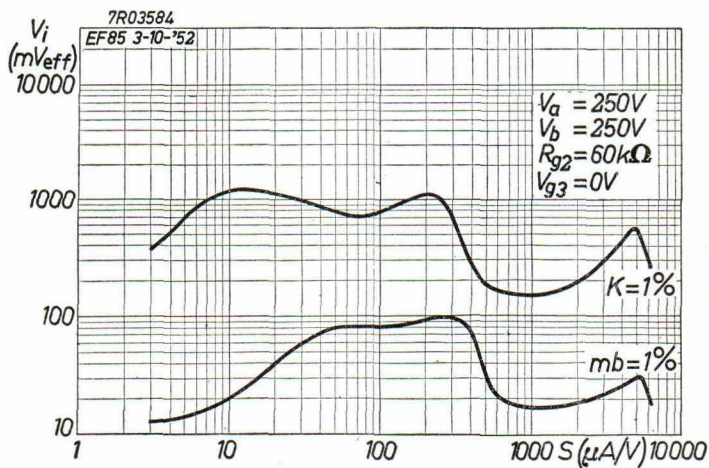
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C

EF 85

PHILIPS





10.10.1957

→ E

