

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

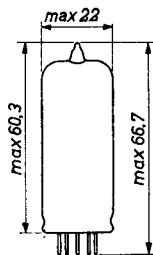
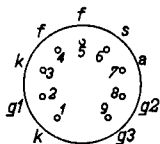
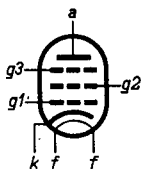
Heating: indirect by A.C. or D.C.; parallel or series supply

Chauffage: indirect par C.A. ou C.C.; alimentation en parallèle ou en série

Vf = 6,3 V
If = 300 mA

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

Dimensions in mm
Dimensions en mm
Abmessungen in mm



Base, colot, 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_{Rg2}	=	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		250	V	
V_{g3}	=	0		0	V	
R_{g2}	=	18 ¹⁾		22 ²⁾	k Ω	
V_{g1}	=	-1,9	-35	-2,1	-35	V
V_{g2}	=	97	-	103	-	V
I_a	=	10	-	10	-	mA
I_{Rg2}	=	8,5	-	6,7	-	mA
S	=	6,0	0,06	6,0	0,06	mA/V
R_i	=	0,6	>5	0,6	>5	M Ω
R_{eq}	=	1,4	-	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.

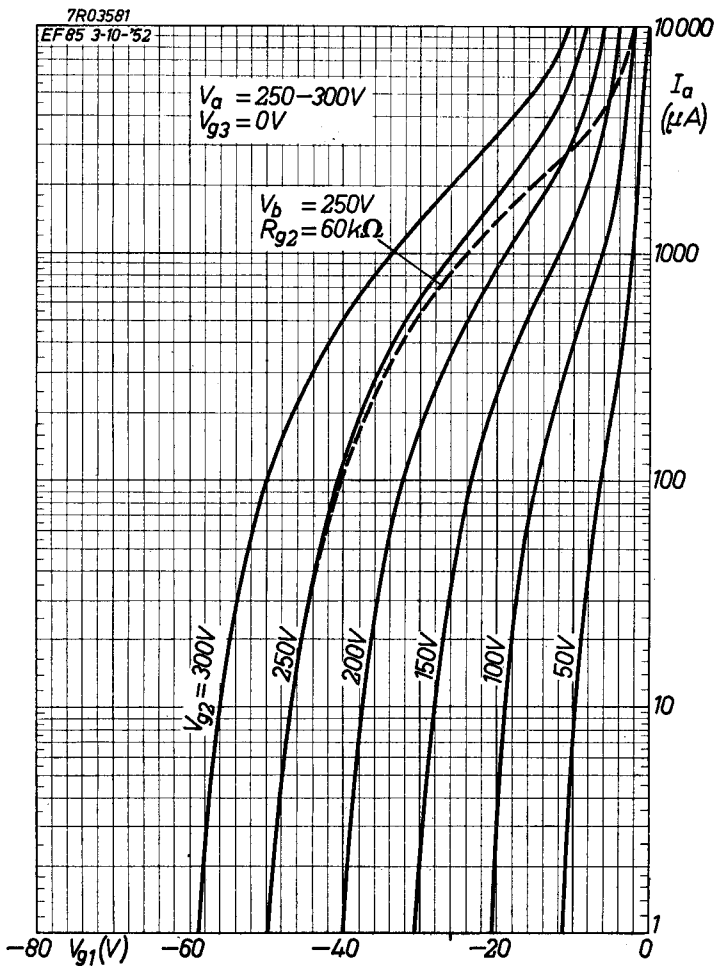
Résistance grille-écran commune des tubes EF 85 et ECH 81 comme tube amplificateur H.F. ou M.F.

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

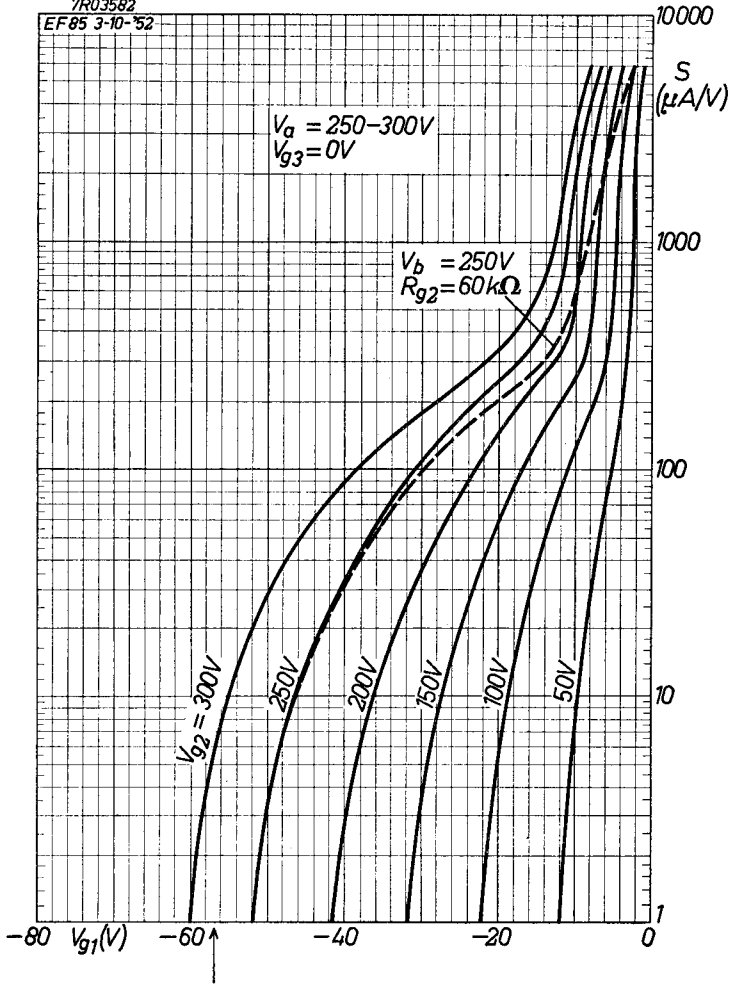


EF 85

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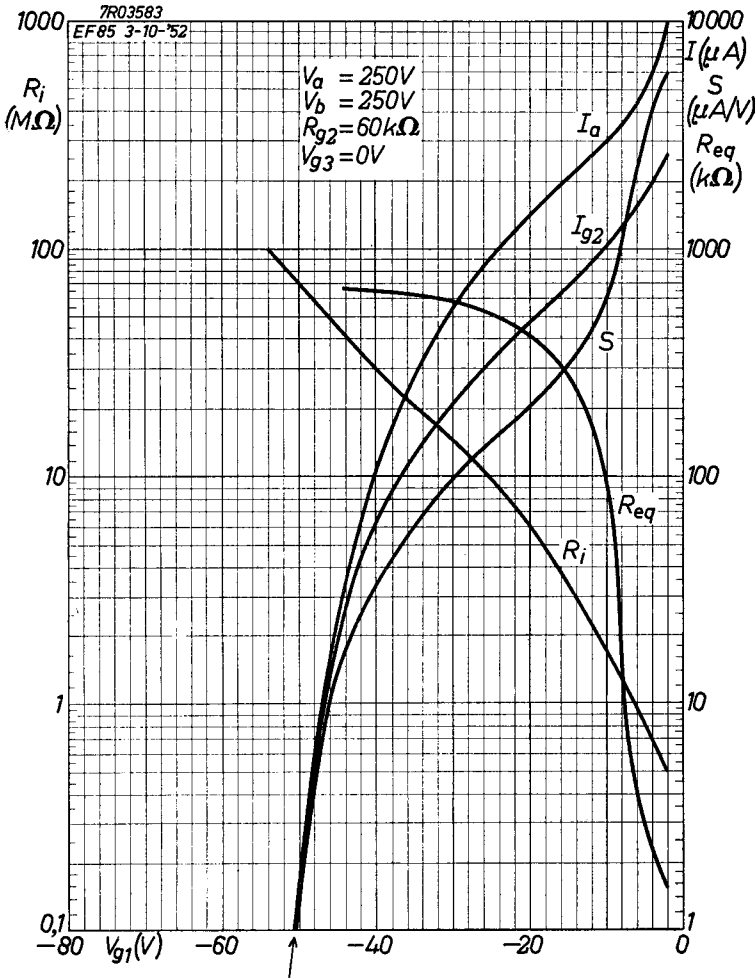
EF85 3-10-52



B

PHILIPS

EF 85

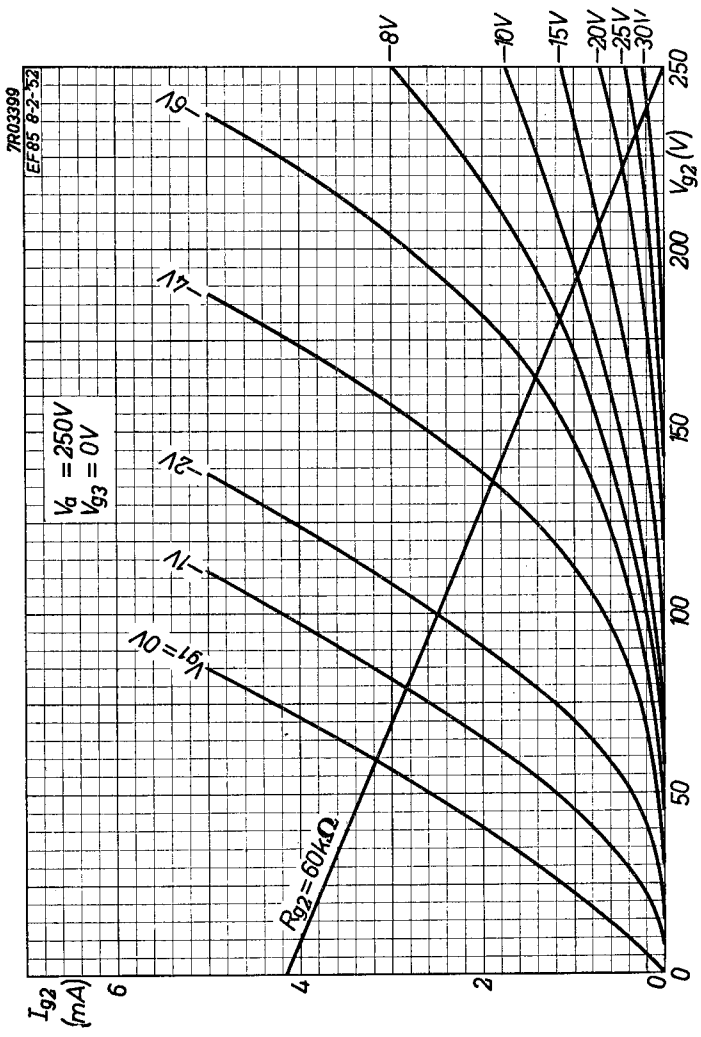


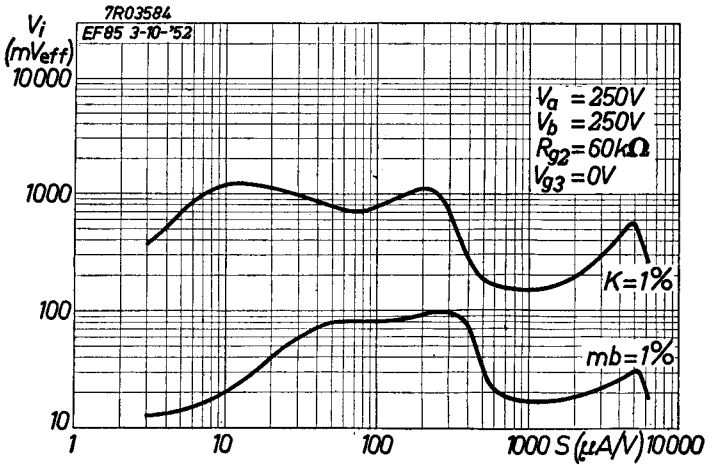
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EF 85

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→ E

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*Electronic
Tube*

HANDBOOK

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1	1	1955.06.06
2	2	1955.06.06
3	3	1954.11.11
4	A	1952.10.10
5	B	1952.10.10
6	C	1952.10.10
7	D	1952.10.10
8	E	1957.10.10
9	FP	1999.06.29