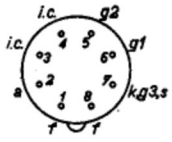
PHILIPS EF 41

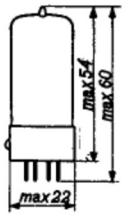
PENTODE with variable mutual conductance for use as R.F. and I.F. amplifier
PENTHODE à pente variable pour l'utilisation comme amplificatrice H.F. et M.F.
PENTODE mit veränderlicher Steilheit zur Verwendung als HF- und ZF-Verstärker

Heating: indirect by A.C. or D.C.; parallel supply
Chauffage: indirect par C.A. ou C.C.; alimentation en parallèle
Heizung: indirekt durch Wechsel- oder Gleichstrom; Parallelspeisung

V_f = 6,3 V
I_f = 0,2 A

Dimensions in mm
Dimensions en mm
Abmessungen in mm





Base, culot, Sockel: Rimlock

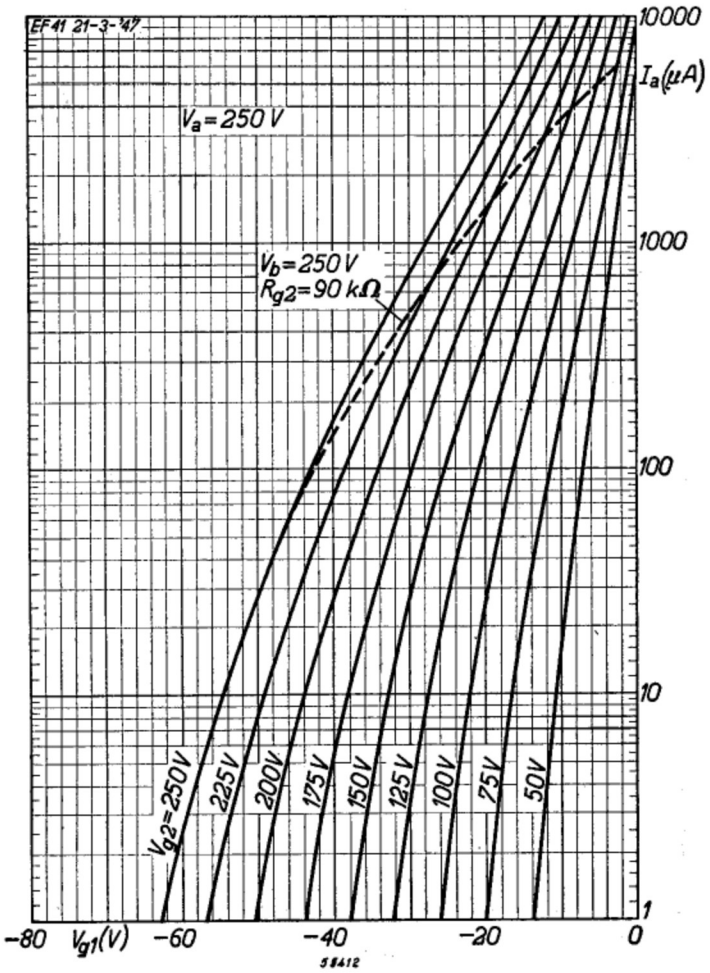
Capacitances Capacités Kapazitäten	C_a	=	5,9 pF
	C_{g1}	=	5,3 pF
	C_{ag1}	<	0,002 pF
	C_{g1f}	<	0,05 pF

Operating characteristics
Caractéristiques d'utilisation
Betriebsdaten

V_a=V_b	=	250		V
R_{g2}	=	90		kΩ
R_k	=	325		Ω
V_{g1}	=	-2,5	-39	V
I_a	=	6,0	-	mA
I_{g2}	=	1,7	-	mA
S	=	2200	22	µA/V
R_i	=	1,1	>10	MΩ
μ_{g2g1}	=	18	-	
R_{eq}	=	6,5	-	kΩ

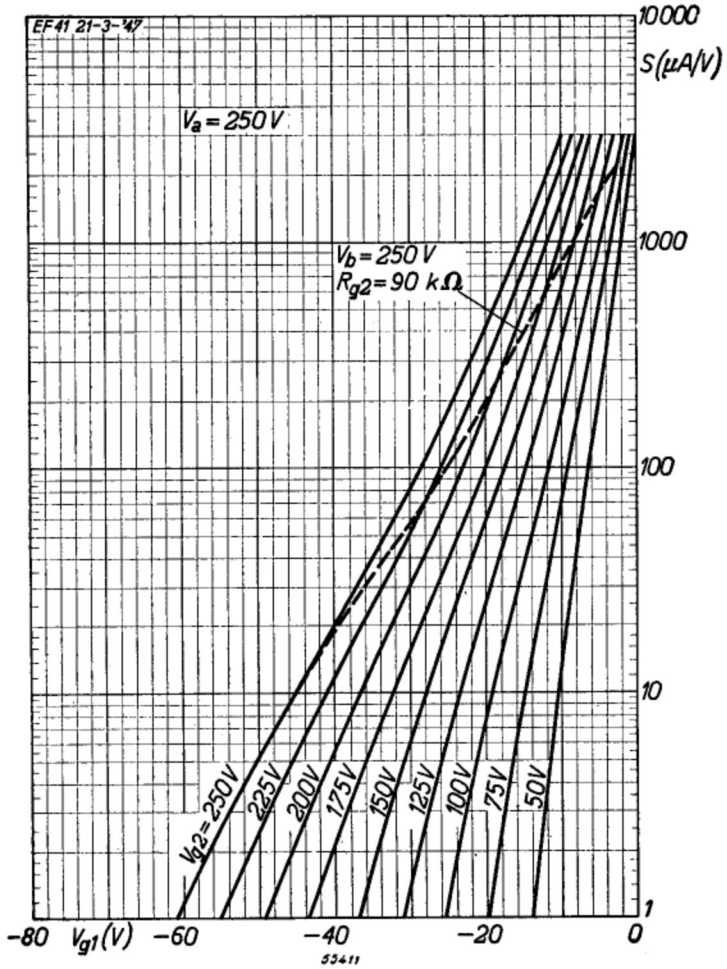
Limiting values
Caractéristiques limites
Grenzdaten

V_{a_o}	= max.	550	V
V_a	= max.	300	V
W_a	= max.	2	W
V_{g2_o}	= max.	550	V
V_{g2} (I_a < 3 mA)	= max.	300	V
V_{g2} (I_a = 6 mA)	= max.	125	V
W_{g2}	= max.	0,3	W
I_k	= max.	10	mA
V_{g1} (I_{g1}= +0,3 µA)	= max.	-1,3	V
R_{g1}	= max.	3	MΩ
R_{kf}	= max.	20	kΩ
V_{kf}	= max.	100	V

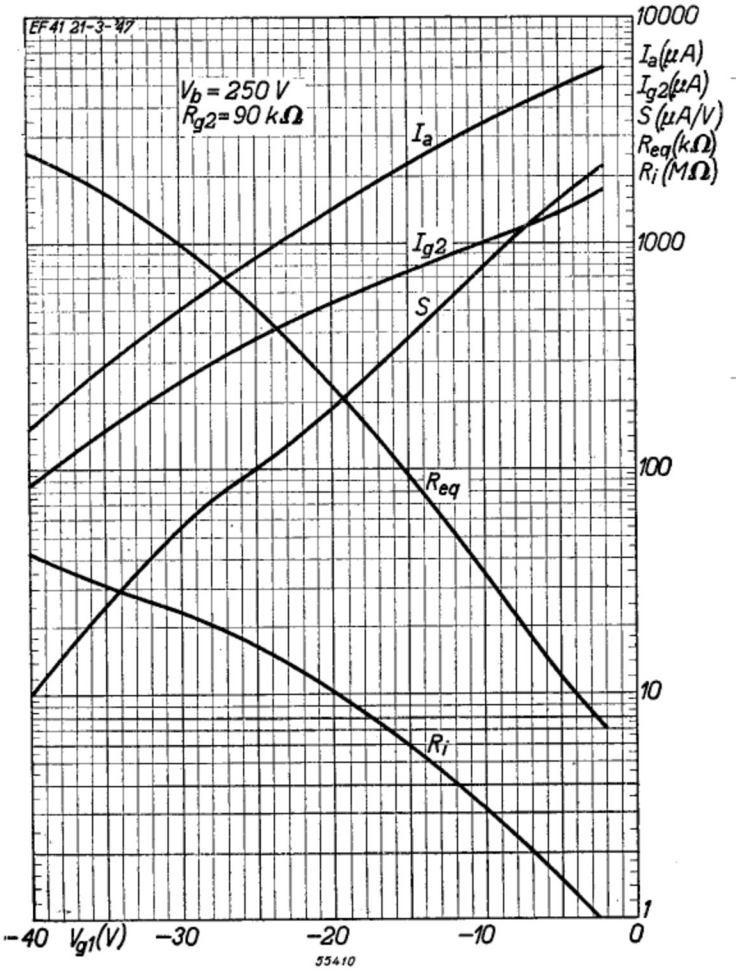

EF41 21-3-'47
V_a=250 V
V_b=250 V
R_{g2}=90 kΩ
V_{g2}=250V
225V
200V
175V
150V
125V
100V
75V
50V
10000
I_a(μA)
1000
100
10
1
-80
V_{g1}(V)
-60
-40
-20
0
5E412

A

1.9.1948


EF41 21-3-'47
10000
S(μA/V)
V_a = 250 V
1000
V_b = 250 V
R_{g2} = 90 kΩ
100
10
1
V_{g2} = 250 V
225 V
200 V
175 V
150 V
125 V
100 V
75 V
50 V
-80
V_{g1}(V)
-60
-40
-20
0
53411

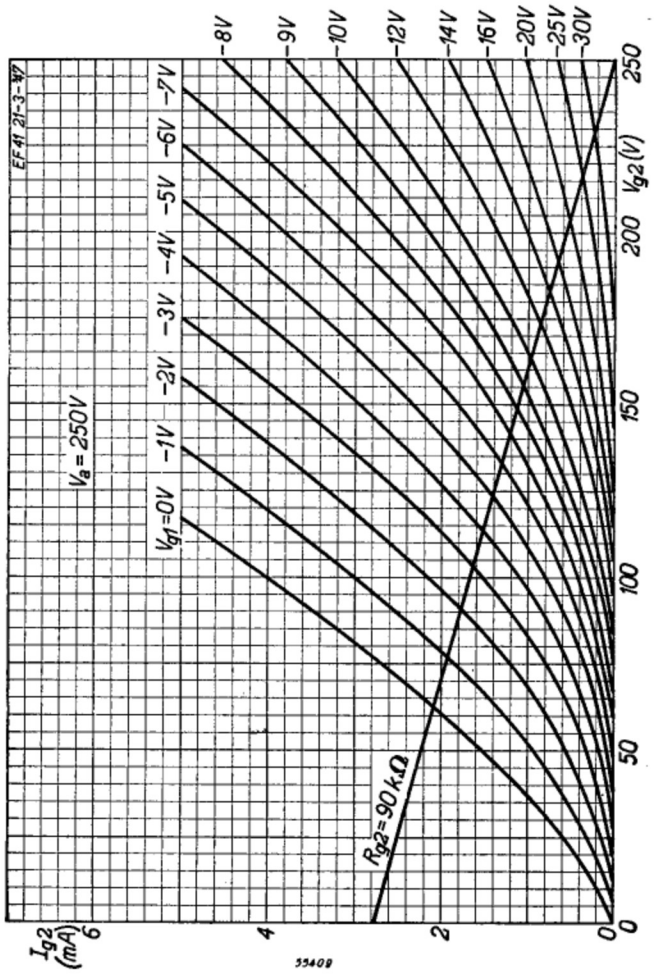
B


EF41 21-3-47
V_b = 250 V
R_{g2} = 90 kΩ
I_a
I_{g2}
S
R_{eq}
R_i
10000
1000
100
10
1
I_a(μA)
I_{g2}(μA)
S (μA/V)
R_{eq}(kΩ)
R_i (MΩ)
-40
V_{g1}(V)
-30
-20
-10
0
55410

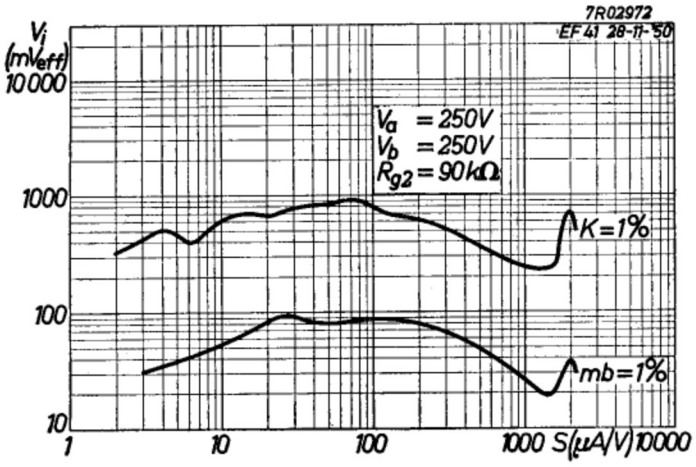
12.12.1950

c

EF 41 **PHILIPS**



D


7R02972
EF41 28-11-50
V_i (mV$_{eff}$)
10000
1000
100
10
1
10
100
1000 S(μA/V) 10000
V_a = 250V
V_b = 250V
R_{g2} = 90kΩ
K=1%
mb=1%

PHILIPS

Electronic Tube HANDBOOK

EF41

page	sheet	date
1	1	1953.10.10
2	2	1953.10.10
3	A	1948.09.01
4	B	1948.09.01
5	C	1950.12.12
6	D	1950.12.12
7	E	1957.10.10
8	FP	1999.06.28