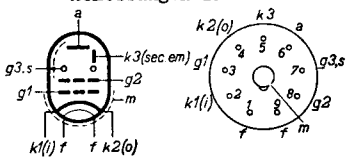
PHILIPS

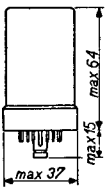
EFP 60

SECONDARY EMISSION PENTODE for television purposes
PENTHODE A EMISSION SECUNDAIRE pour la télévision
SEKUNDAREMISSIONSPENTHODE für Fernsehzwecke

Heating:	indirect by A.C. or D.C.; parallel supply	
Chauffage:	indirect par C.A. ou C.C.; alimentation en parallèle	Vf = 6,3 V If = 0,37 A
Heizung:	indirekt durch Wechsel- oder Gleichstrom; Parallelspeisung	

Dimensions in mm
Dimensions en mm
Abmessungen in mm





Capacities
Capacités
Kapazitäten

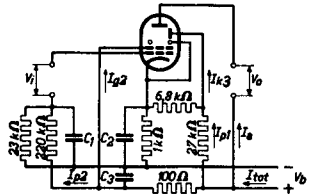
Ca	=	6 pF
Cg1	=	9,2 pF
Cag1	<	0,004 pF

Typical characteristics
Caractéristiques typiques
Kenndaten

Va	=	250 V
Vk3	=	150 V
Vg3	=	0 V
Vg2	=	250 V
Vg1	=	-2 V
Ia	=	20 mA
Ik3	=	-15,6 mA
Ig2	=	1,5 mA
S	=	25 mA/V
μg2g1	=	110 -
Ri	=	70 kΩ

Operating conditions for use as stabilised amplifier
Caractéristiques d'utilisation comme amplificatrice stabilisée
Betriebsdaten zur Verwendung als stabilisierter Verstärker

Vb	=	250 V
Vg3	=	0 V
Ia	=	20 mA
Ik3	=	-15,6 mA
Ig2	=	1,5 mA
Ip1	=	3,5 mA
Ip2	=	1,0 mA
I_{tot}	=	26 mA



Limiting values
Caractéristiques limites
Grenzdaten

Va_o	= max.	550	V
Va	= max.	300	V
Wa	= max.	2	W
$Vk3_o$	= max.	550	V
Vk3	= max.	150	V
Wk3	= max.	1	W
$Vg2_o$	= max.	550	V
Vg2	= max.	300	V
Wg2	= max.	0,4	W
Ik1	= max.	8	mA
Vg1 (Ig1 = + 0,3 µA)	= max.	-1,3	V
Rg1	= max.	0,7	MΩ
Vfk1	= max.	50	V
Rfk1	= max.	20	kΩ

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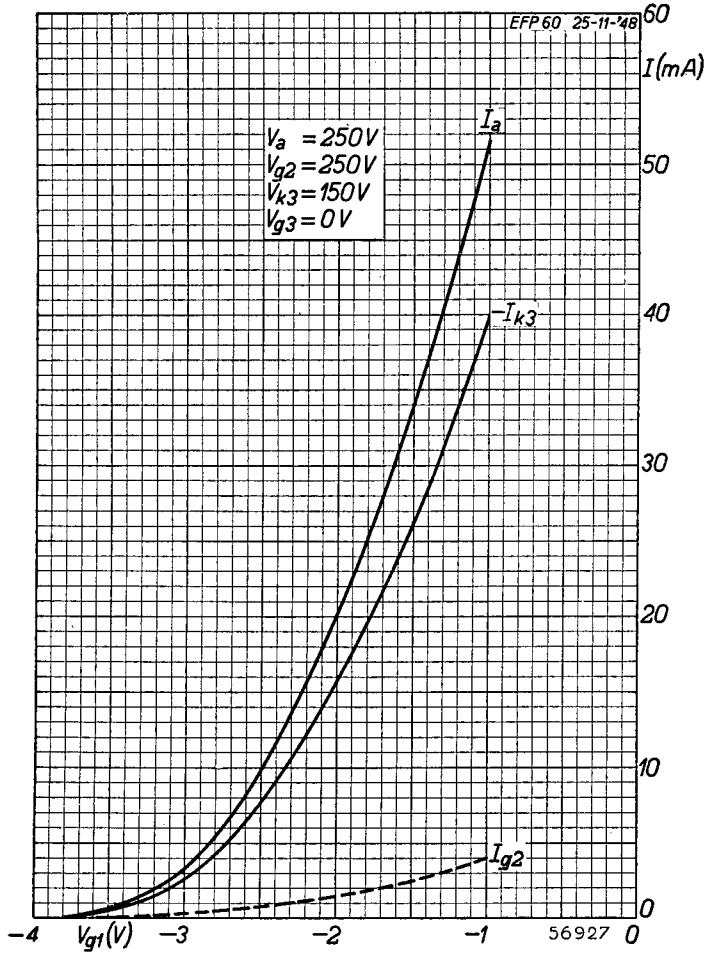

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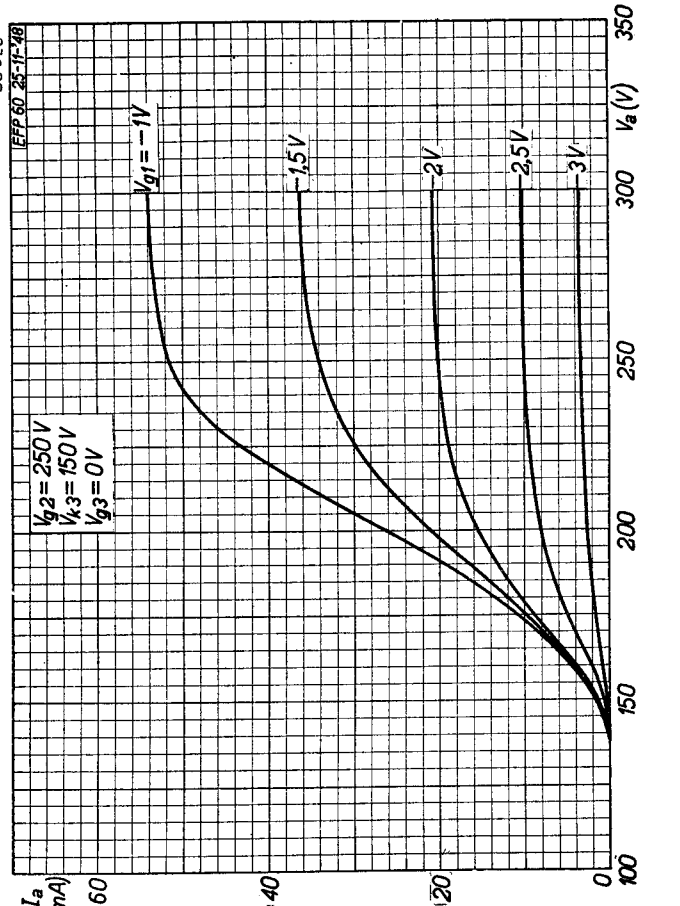
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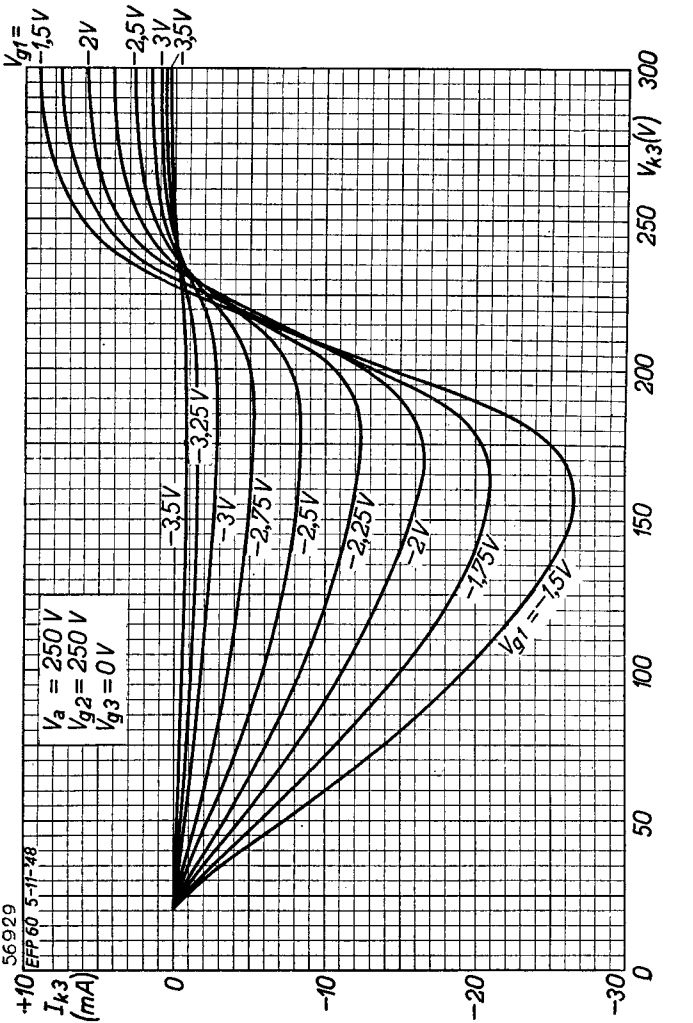
V_{g2} = 250 V
V_{k3} = 150 V
V_{g3} = 0 V
V_{g1} = −1V
−1,5 V
−2V
−2,5V
−3V
I_a (mA)
60
40
20
0
100
150
200
250
300
350
V_a (V)


V_{g1}= −1,5 V
−2 V
−2,5 V
−3 V
−3,5 V
V_a = 250 V
V_{g2} = 250 V
V_{g3} = 0 V
−3,5 V
−3,25 V
−3 V
−2,75 V
−2,5 V
−2,25 V
−2 V
−1,75 V
V_{g1} = −1,5 V
+10
0
−10
−20
−30
I_{k3} (mA)
0
50
100
150
200
250
300
V_{k3}(V)
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Electronic Tube

HANDBOOK

EFP60

page	sheet	date
1	1	1948.10.06
2	2	1948.10.06
3	A	1949.01.25
4	B	1949.01.25
5	C	1949.01.25
6	FP	1999.07.04