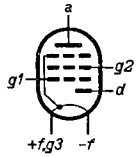
DIODE-PENTODE for use as R.F. or I.F. amplifier in battery receivers
DIODE-PENTHODE pour l'utilisation comme amplificatrice H.F. ou M.F. dans des apareils-batterie
DIODE-PENTODE zur Verwendung als HF- oder ZF- Verstärker in Batteriegeräten

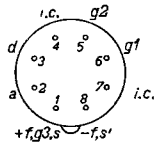
Heating: direct by D.C.;series or parallel supply
Chauffage: direct par C.C.; alimentation en serie ou en parallèle
Heizung: direkt durch Gleichstrom; Serien- oder Parallelspeisung

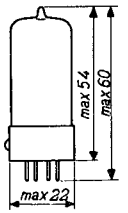
Parallel supply:
Alimentation en parallèle: V_f 1,4 V
Parallelspeisung: I_f = 0,025 A

Series supply:
Alimentation en série: V_f = 1,3 V
Serienspeisung:

Dimensions in mm
Dimensions en mm
Abmessungen in mm







Base, culot, Sockel: Rimlock

Capacitances
Capacités
Kapazitäten

C_{g1}	=	2,8 pF
C_a	=	3,7 pF
C_{ag1}	<	0,0065 pF
C_d	=	2,1 pF
C_{g1d}	<	0,003 pF
C_{ad}	<	0,1 pF

Operating characteristics of the pentode section as R.F. or I.F. amplifier
Caracteristiques d'utilisation de la partie pentho-de comme amplificatrice H.F. ou M.F.
Betriebsdaten des Pentodenteiles als HF- oder ZF-Verstärker

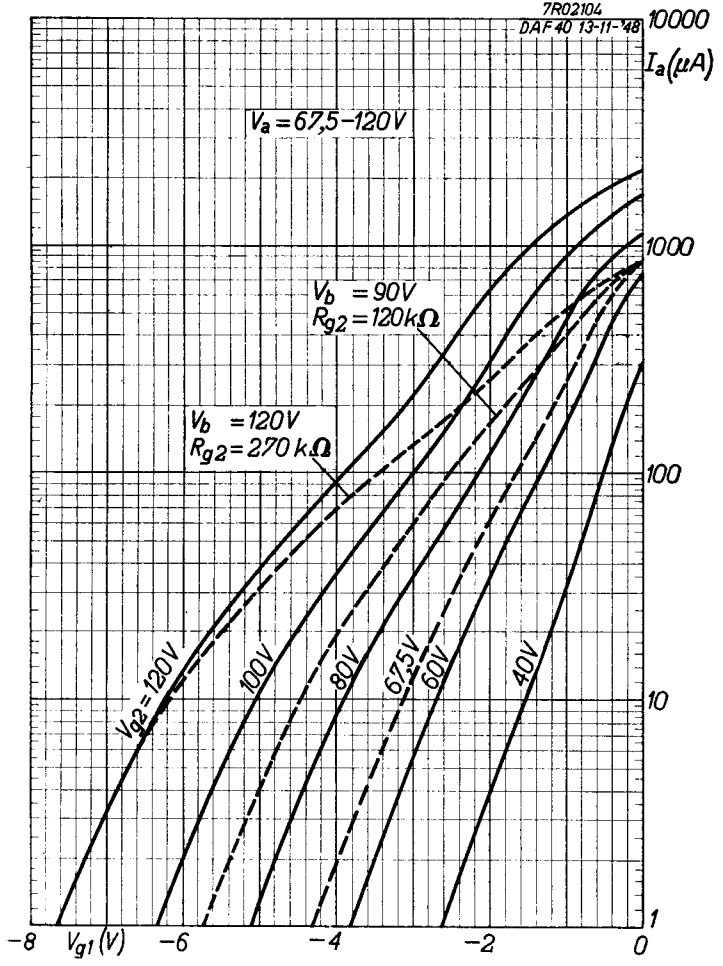
$V_a=V_b$	=	67,5		90		V
R_{g2}	=	0		120		kΩ
V_{g1}	=	0	-3,7	0	-5,0	V
V_{g2}	=	67,5	67,5	67,5	90	V
I_a	=	0,85	-	0,85	-	mA
I_{g2}	=	0,20	-	0,20	-	mA
S	=	700	7	700	7	µA/V
R_i	=	1,6	>10	2,2	>10	MΩ
μ_{g2g1}	=	32	-	32	-	
R_{eq}	=	8,7	-	8,7	-	kΩ

$V_a=V_b$	=	120		V
R_{g2}	=	270		kΩ
V_{g1}	=	0	-6,8	V
V_{g2}	=	67,5	120	V
I_a	=	0,85	-	mA
I_{g2}	=	0,20	-	mA
S	=	700	7	µA/V
R_i	=	2,6	>10	MΩ
μ_{g2g1}	=	32	-	

Limiting values
Caractéristiques limites
Grenzdaten

V_{a_o}	= max. 180 V	W_{g2}	=max.0,02 W
V_a	= max. 135 V	V_{g2} (I_a=0,85mA)	=max. 85 V
W_a	= max. 0,2 W	V_{g1} (I_{g1}=+0,3µA)	=max.-0,2 V
I_k	= max. 1,2 mA	$V_{d\ inv_p}$	=max. 100 V
R_{g1}	= max. 10 MΩ	I_d	=max. 0,2mA
V_{g2_o}	= max. 180 V	I_{d_p}	=max. 1,2mA

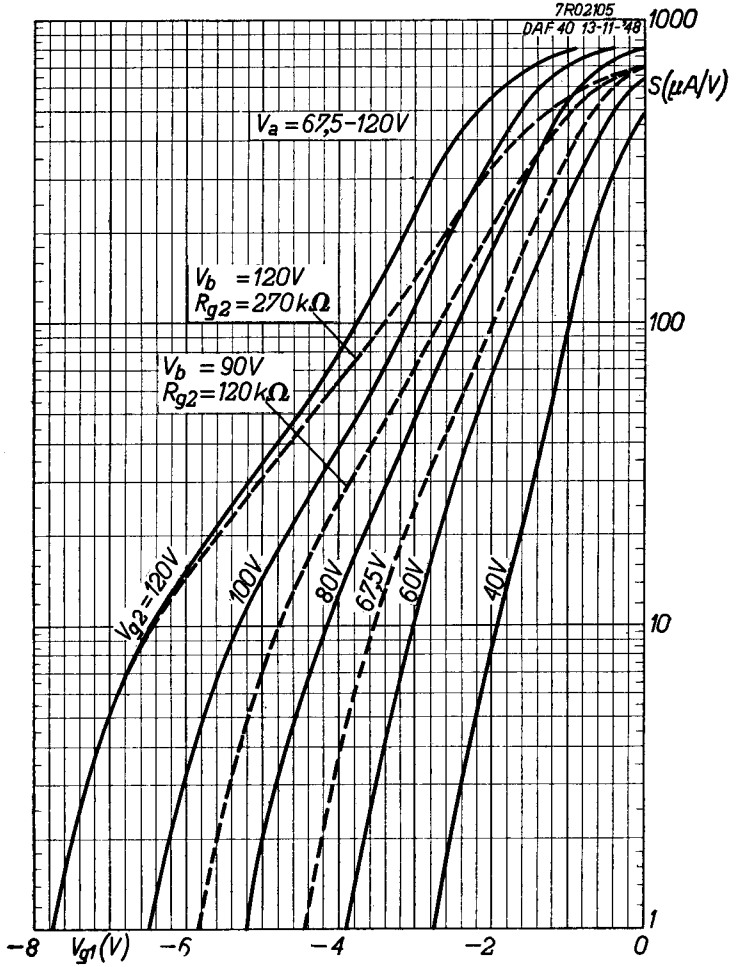
"Miniwatt" DAF40



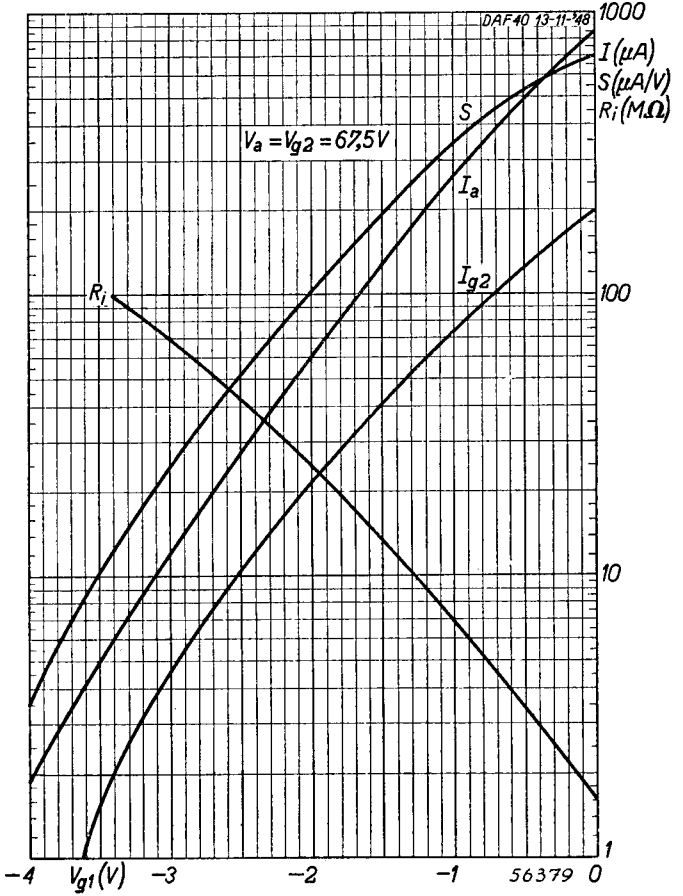
2.2.1951

A

DAF40 "Miniwatt"



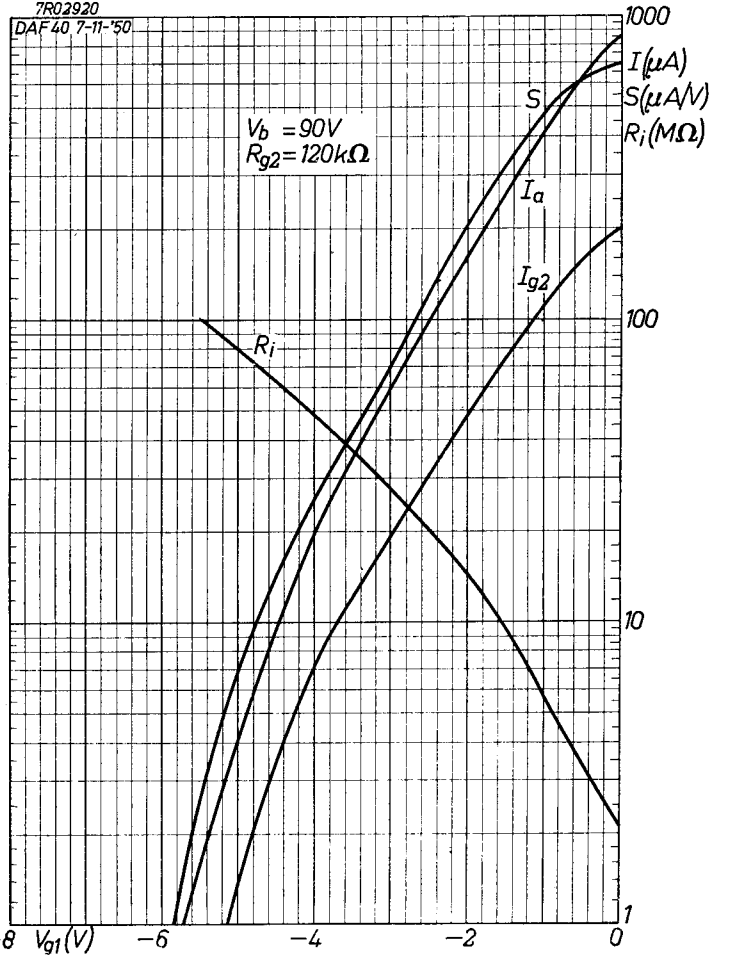
B


DAF 40 13-11-48
1000
I (μA)
S (μA/V)
Ri (MΩ)
S
Va = Vg2 = 67,5V
Ia
Ig2
Ri
100
10
1
−4
Vg1 (V)
−3
−2
−1
56379
0

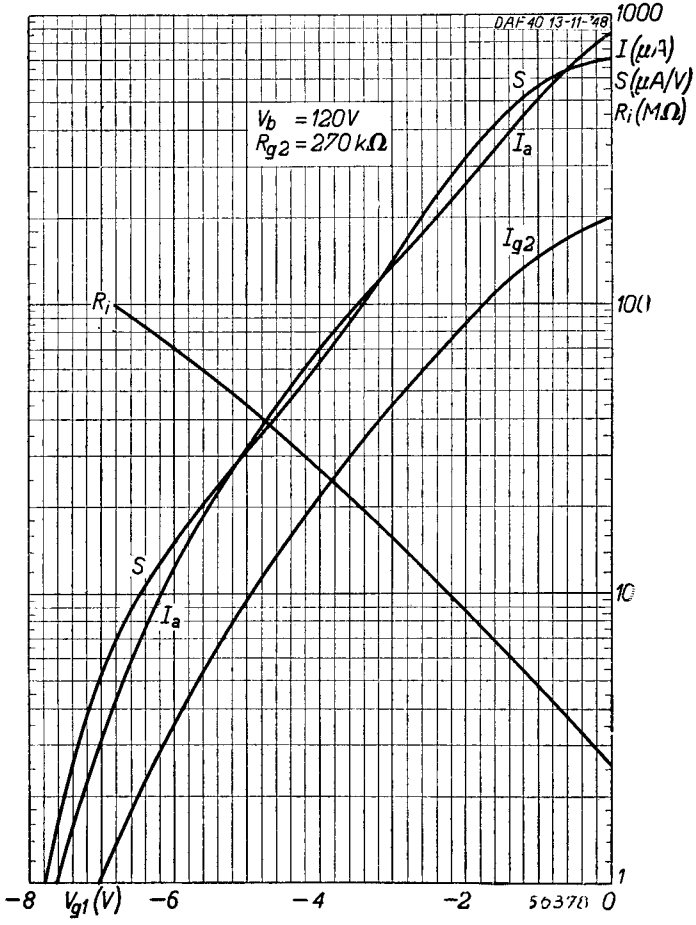
2.2.1951

C

DAF40 "Miniwatt"



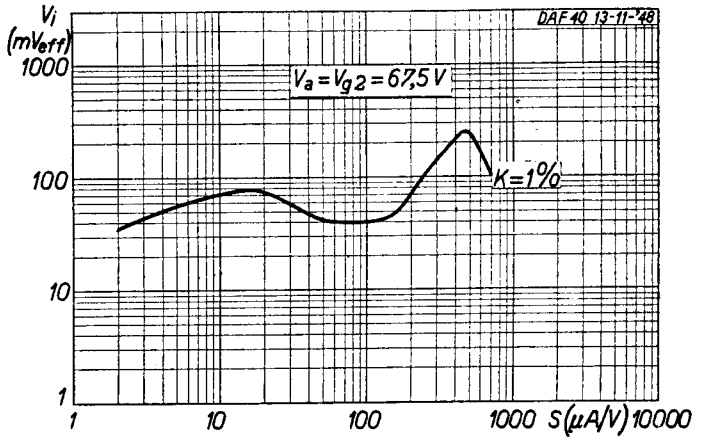
D


DAF 40 13-11-'48
1000
I (μA)
S (μA/V)
Ri (MΩ)
Vb = 120V
Rg2 = 270 kΩ
S
Ia
Ig2
Ri
100
10
1
S
Ia
−8
Vg1 (V)
−6
−4
−2
0
56370

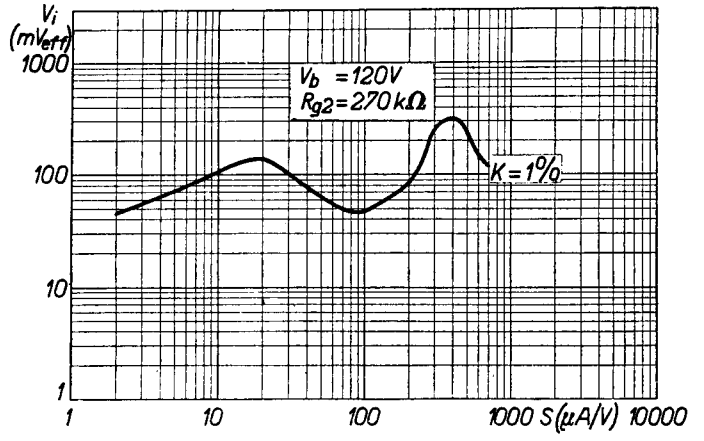
2.2.1951

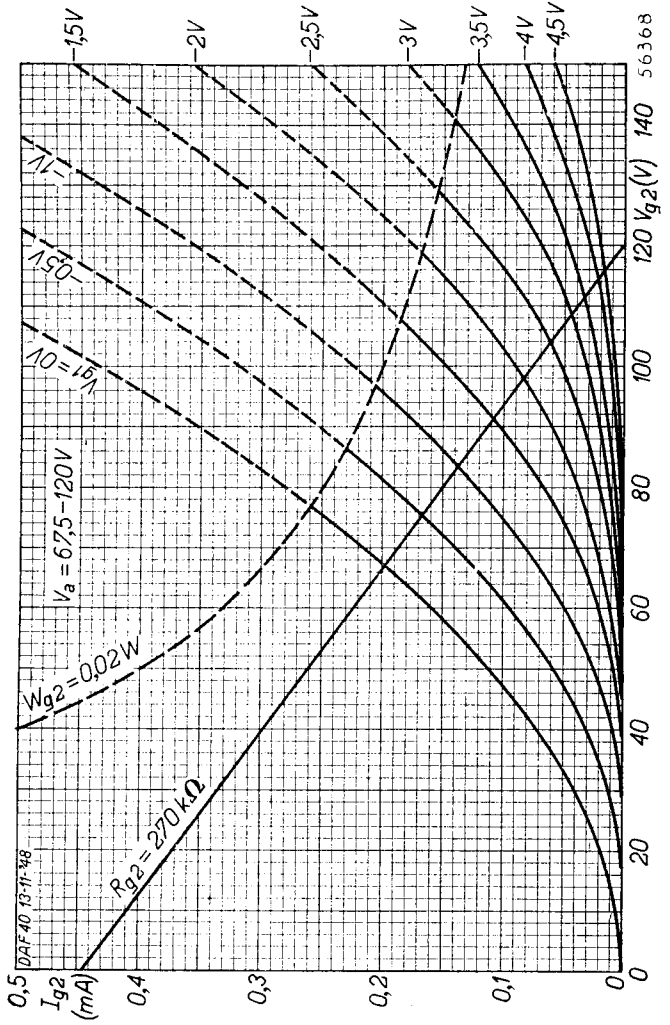
E

DAF 40 "Miniwatt"

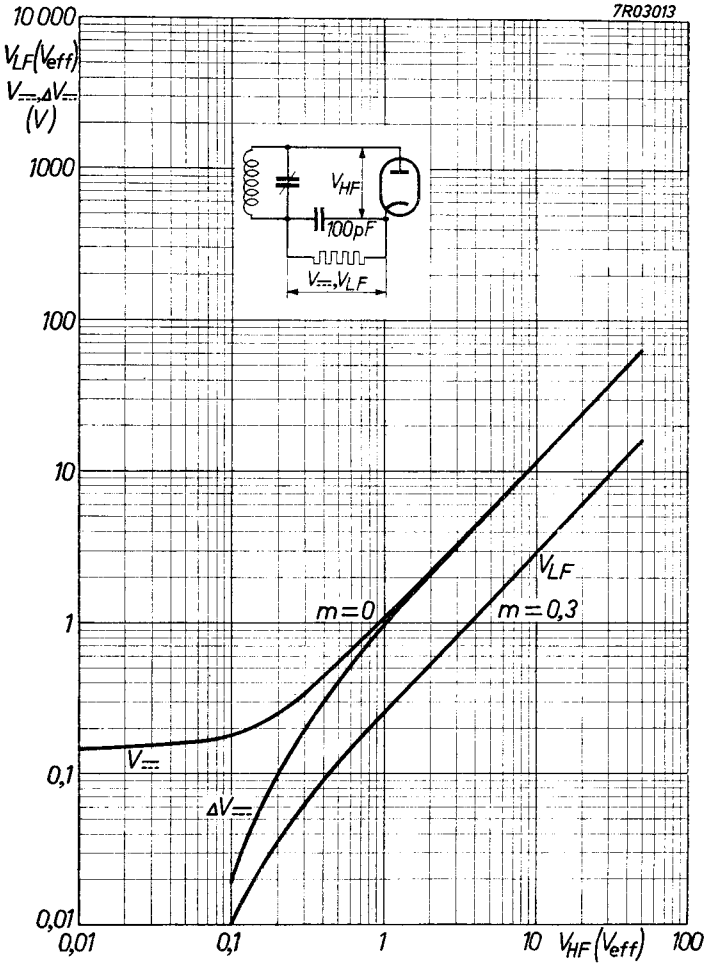


56380




-1,5V
-2V
-2,5V
-3V
-3,5V
-4V
-4,5V
56368
V_{g2}(V)
0
20
40
60
80
100
120
140
I_{g2} (mA)
0,5
0,4
0,3
0,2
0,1
0
V_a = 6,75–120V
W_{g2} = 0,02W
R_{g2} = 270 kΩ
DAF 40 13-11-48

DAF40 "Miniwatt"



H

PHILIPS

Electronic Tube

HANDBOOK

DAF40

page	sheet	date
1	1	1953.09.09
2	2	1953.09.09
3	A	1951.02.02
4	B	1951.02.02
5	C	1951.02.02
6	D	1951.02.02
7	E	1951.02.02
8	F	1951.02.02
9	G	1951.02.02
10	H	1951.02.02
11	FP	2000.01.21