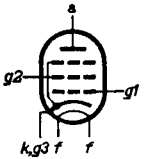
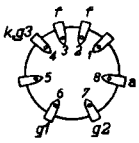
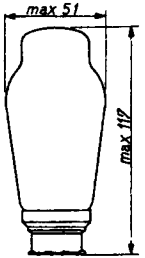
OUTPUT PENTODE for use in class AB
PENTHODE DE SORTIE pour utilisation en classe AB
ENDPENTHODE zur Verwendung in Klasse AB

Heating : indirect by A.C. or D.C.; parallel supply
Chauffage : indirect par C.A. ou C.C.; Vf= 4 V
alimentation en parallèle If= 2 A
Heizung : indirekt durch Wechsel- oder Gleichstrom; Parallelspeisung







Capacities
Capacités
Kapazitäten

Cagl = 1 pF

Operating conditions class AB
Caractéristiques d'utilisation classe AB
Betriebsdaten Klasse AB

Va	=	375		V
Vg2	=	275		V
Rk	=	165		Ω
Raa'	=	6,5		kΩ
Vi	=	0	16	V_{eff}
Ia	=	2x48	2x62	mA
Ig2	=	2x5	2x9	mA
Wo	=	0	28,5	W
d	=	-	2,3	%

PHILIPS

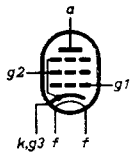
4688
4689

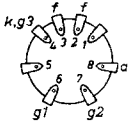
OUTPUT PENTODE
PENTHODE DE SORTIE
ENDPENTODE

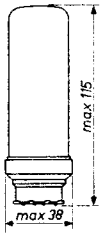
Heating : indirect by A.C. or D.C. parallel supply
Chauffage: indirect par C.A. ou C.C. alimentation- parallèle
Heizung : indirekt durch Wechsel- oder Gleichstrom Parallelspeisung

4688	**4689**
Vf = 4 V	Vf = 6,3 V
If = 2 A	If = 1,35 A

Dimensions in mm
Dimensions en mm
Abmessungen in mm







Base, culot, Sockel: P

Capacitances
Capacités
Kapazitäten

4688	**4689**
C_{ag1} = 1 pF	C_{ag1} < 0,8 pF

Operating characteristics class AB
Caractéristiques d'utilisation classe AB
Betriebsdaten Klasse AB

V_a	=	375		V
V_{g2}	=	275		V
R_k	=	165		Ω
$R_{aa\sim}$	=	6,5		kΩ
V_i	=	0	16	V_{eff}
I_a	=	2x48	2x62	mA
I_{g2}	=	2x5	2x9	mA
W_o	=	0	28,5	W
dtot	=	-	2,3	%

Limiting values
Caractéristiques limites
Grenzdaten

Va_o	=	max.	600	V
Va	=	max.	375	V
Wa	=	max.	18	W
$Vg2_o$	=	max.	600	V
Vg2	=	max.	275	V
Wg2 (Vi = 0)	=	max.	2	W
Wg2 (Wo = max.)	=	max.	3,5	W
Ik	=	max.	90	mA
Vgl (Igl=+0,3µA)	=	max.	-1,3	V
Rgl	=	max.	0,7	MΩ
Vfk	=	max.	50	V
Rfk	=	max.	5	kΩ

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Limiting values
Caractéristiques limites
Grenzdaten

V_{a_o}	= max.	600	V
V_a	= max.	375	V
W_a	= max.	18	W
V_{g2_o}	= max.	600	V
V_{g2}	= max.	275	V
$W_{g2}(V_i = 0)$	= max.	2	W
$W_{g2}(W_o$=max.)	= max.	3,5	W
I_k	= max.	90	mA
$V_{g1}(I_{g1}$=+0,3µA)	= max.	-1,3	V
R_{g1}	= max.	0,7	MΩ
V_{kf}	= max.	50	V
R_{kf}	= max.	5	kΩ

PHILIPS

Electronic Tube

HANDBOOK

4688

page	sheet	date
1	1	1948.08.25
2	1	1953.12.12
3	2	1948.08.25
4	2	1953.12.12
5	FP	1999.06.07