

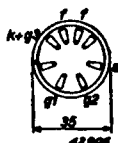
**AL 4****AL 5***„Miniwatt“***OUTPUT PENTODE  
PENTHODE DE SORTIE  
PENTHODE-ENDROEHRE**

Heating : Indirect ; A.C. ; parallel supply  
 Chauffage : Indirect ; courant alternatif ; alimentation  
 en parallèle  
 Heizung : Indirekt ; Wechselstrom ; Parallelspeisung

$V_f = 4,0 \text{ V}$   
 $I_f = 1,75 \text{ A}$

For the data and characteristics of the AL 4, see EL 3 N.  
 Pour les caractéristiques et courbes du AL 4, voir EL 3 N.  
 Für die Daten und Kennlinien der AL 4, siehe EL 3 N.

Electrode arrangement, base connections and max. dimensions in mm.  
 Disposition des électrodes, connexions du culot et dimensions max. en mm.  
 Elektrodenanordnung, Sockelanschlüsse und max. Abmessungen in mm.

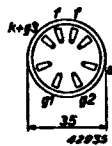
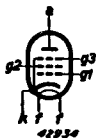
**AL 4****OUTPUT PENTODE  
PENTHODE DE SORTIE  
PENTHODE-ENDROEHRE**

Heating : Indirect ; A.C. ; parallel supply  
 Chauffage : Indirect ; courant alternatif ; alimentation  
 en parallèle  
 Heizung : Indirekt ; Wechselstrom ; Parallelspeisung

$V_f = 4,0 \text{ V}$   
 $I_f = 2,0 \text{ A}$

For the data and characteristics of the AL 5, see EL 5.  
 Pour les caractéristiques et courbes du AL 5, voir EL 5.  
 Für die Daten und Kennlinien der AL 5, siehe EL 5.

Electrode arrangement, base connections and max. dimensions in mm.  
 Disposition des électrodes, connexions du culot et dimensions max. en mm.  
 Elektrodenanordnung, Sockelanschlüsse und max. Abmessungen in mm.

**AL 5**

**AL 4**  
**AL 5**

**PHILIPS**

OUTPUT PENTODE  
PENTHODE DE SORTIE  
ENDPENTODE

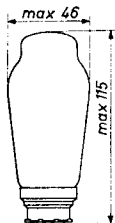
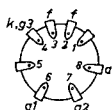
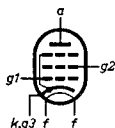
**AL 4**

Heating :indirect; parallel supply  
Chauffage:indirect; alimentation- parallèle  
Heizung :indirekt; Parallelspeisung

$V_f = 4,0 \text{ V}$

$I_f = 1,75 \text{ A}$

Dimensions in mm  
Dimensions en mm  
Abmessungen in mm



Base, culot, Sockel: P

For further data see type EL 3N  
Pour les autres caractéristiques voir type EL 3N  
Für die übrigen Daten siehe Typ EL 3N

OUTPUT PENTODE  
PENTHODE DE SORTIE  
ENDPENTODE

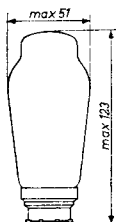
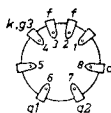
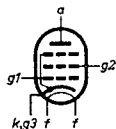
**AL 5**

Heating :indirect; parallel supply  
Chauffage:indirect; alimentation- parallèle  
Heizung :indirekt; Parallelspeisung

$V_f = 4,0 \text{ V}$

$I_f = 2,0 \text{ A}$

Dimensions in mm  
Dimensions en mm  
Abmessungen in mm



Base, culot, Sockel: P

For further data see type 4688  
Pour les autres caractéristiques voir type 4688  
Für die übrigen Daten siehe Typ 4688

**AL 4**  
**AL 5**

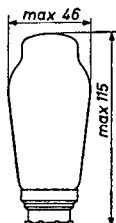
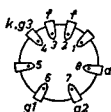
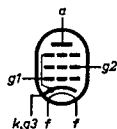
# PHILIPS

OUTPUT PENTODE  
PENTHODE DE SORTIE  
ENDPENTODE

**AL 4**

Heating : indirect; parallel supply  $V_f = 4,0 \text{ V}$   
Chauffage: indirect; alimentation- parallèle  $I_f = 1,75 \text{ A}$   
Heizung : indirekt; Parallelspeisung

Dimensions in mm  
Dimensions en mm  
Abmessungen in mm



Base, culot, Sockel: P

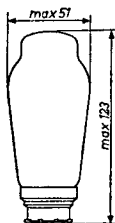
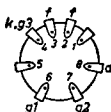
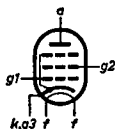
For further data see type EL 3N  
Pour les autres caractéristiques voir type EL 3N  
Für die übrigen Daten siehe Typ EL 3N

OUTPUT PENTODE  
PENTHODE DE SORTIE  
ENDPENTODE

**AL 5**

Heating : indirect; parallel supply  $V_f = 4,0 \text{ V}$   
Chauffage: indirect; alimentation- parallèle  $I_f = 2,0 \text{ A}$   
Heizung : indirekt; Parallelspeisung

Dimensions in mm  
Dimensions en mm  
Abmessungen in mm



Base, culot, Sockel: P

For further data see type 4688  
Pour les autres caractéristiques voir type 4688  
Für die übrigen Daten siehe Typ 4688

**PHILIPS**



*Electronic  
Tube*

**HANDBOOK**

<b>page</b>	<b>AL4 AL5 sheet</b>	<b>date</b>
1	2	1947.12.01
2	2	1953.12.12
3	2	1959.12.12
4	FP	1999.06.26