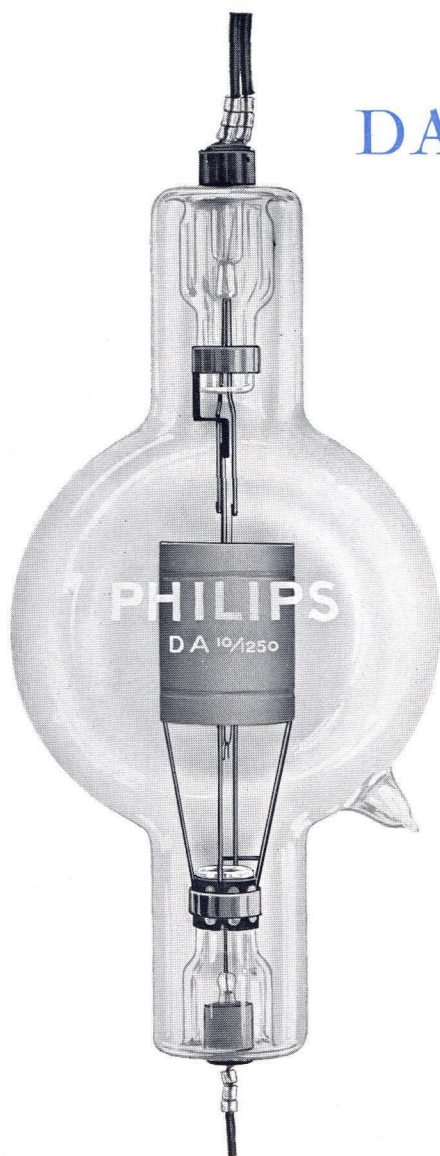


PHILIPS RECTIFYING VALVE



DA 10/1250

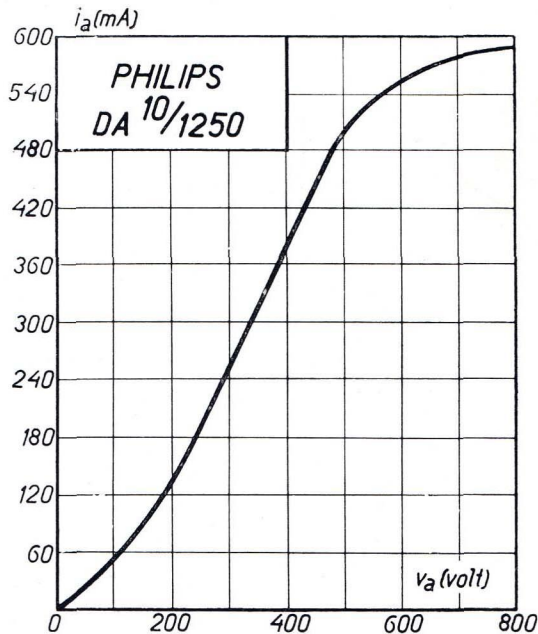
$\frac{1}{3}$ of actual size

This valve is similar to type TA 10/1250 with the exception that it has no grid. For the anode current supply of a transmitting valve TA 10/1250 at least two rectifying valves DA 10/1250 are necessary.

The A.C. anode voltage and D.C. voltage can vary from 4000—12000 volts.

PHILIPS RECTIFYING VALVE

DA ¹⁰/1250



Filament voltage.	$v_f = \text{ca. } 15 \text{ V}$
Filament current.	$i_f = \text{ca. } 9.5 \text{ A}$
Total emission	$i_s = 600 \text{ mA}$
Anode dissipation	$w_a = 400 \text{ W}$
Anode dissipation on test.	$w_{at} = 500 \text{ W}$
R.M.S. value of the anode voltage	$v_{eff} = 4000\text{-}12000 \text{ V}$
D.C. voltage	$v_a = 4000\text{-}12000 \text{ V}$
Mean direct current	$i_a = 125 \text{ mA}$
Output at a D.C. voltage of 10000 V	$w_o = 1250 \text{ W}$
Saturation voltage	$v_s = 600 \text{ V}$
Internal resistance	$R_i = \text{ca. } 1000 \Omega$
Largest diameter.	$d = 170 \text{ mm}$
Total length	$l = 350 \text{ mm}$