

## DOUBLE ANODE RECTIFYING TUBE

Double anode high vacuum rectifying tube.

### QUICK REFERENCE DATA

Transformer voltage	$V_{tr}$	2x450	$V_{RMS}$
D.C. current	$I_o$	100	mA

**HEATING:** Indirect by A.C.; parallel supply

Heater voltage

$V_f$  6.3 V

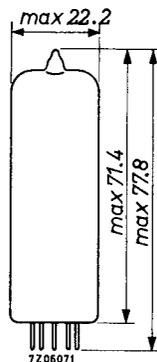
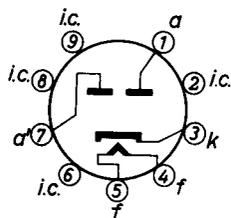
Heater current

$I_f$  1 A

### DIMENSIONS AND CONNECTIONS

Dimensions in mm

Base: Noval



## OPERATING CHARACTERISTICS

As two-phase half-wave rectifier with capacitor input filter See page 4 upper fig.

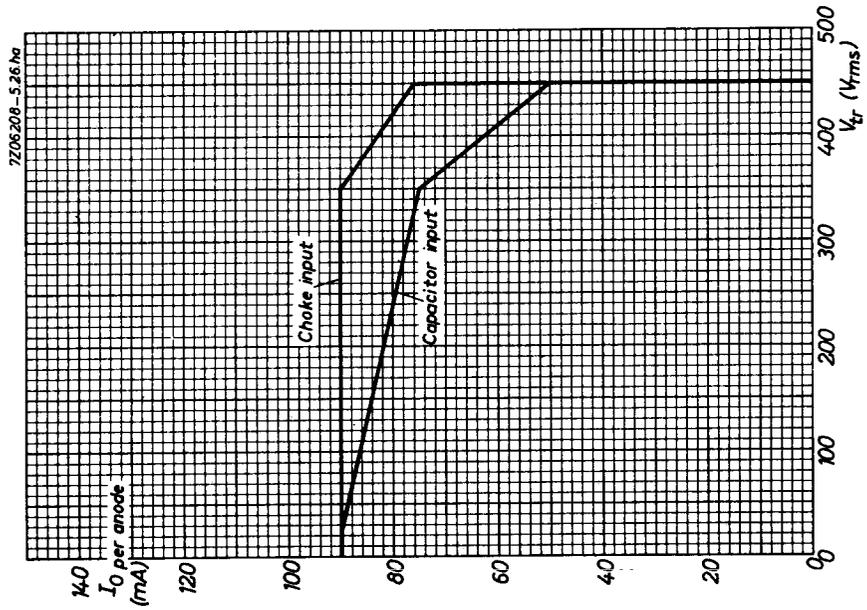
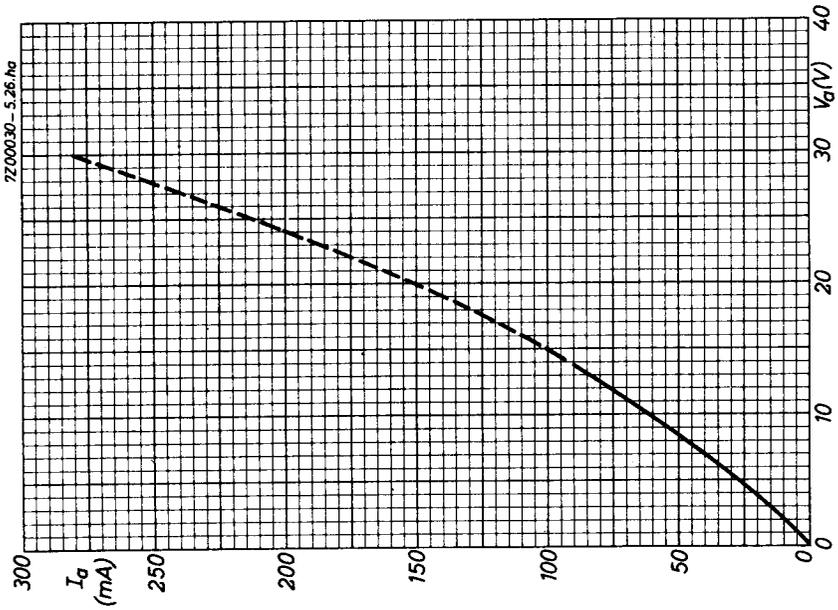
Transformer voltage	$V_{tr}$	2x250	2x350	2x450	$V_{RMS}$
D.C. output voltage	$V_o$	245	352	497	V
D.C. current	$I_o$	160	150	100	mA
Protecting resistance	$R_t$	2x150	2x230	2x310	$\Omega$
Input capacitor of smoothing filter	$C_{filt}$	50	50	50	$\mu F$

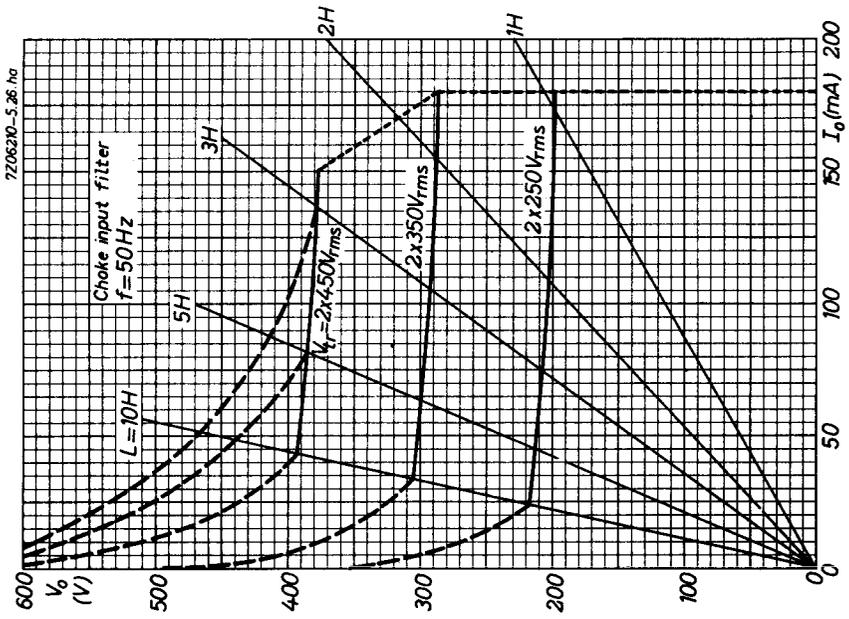
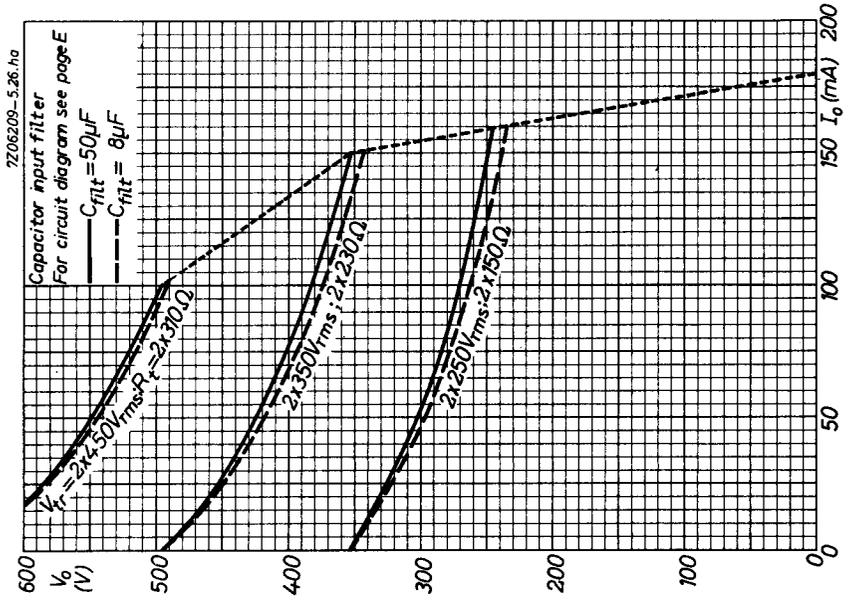
As two-phase half-wave rectifier with choke input filter See page 4 lower fig.

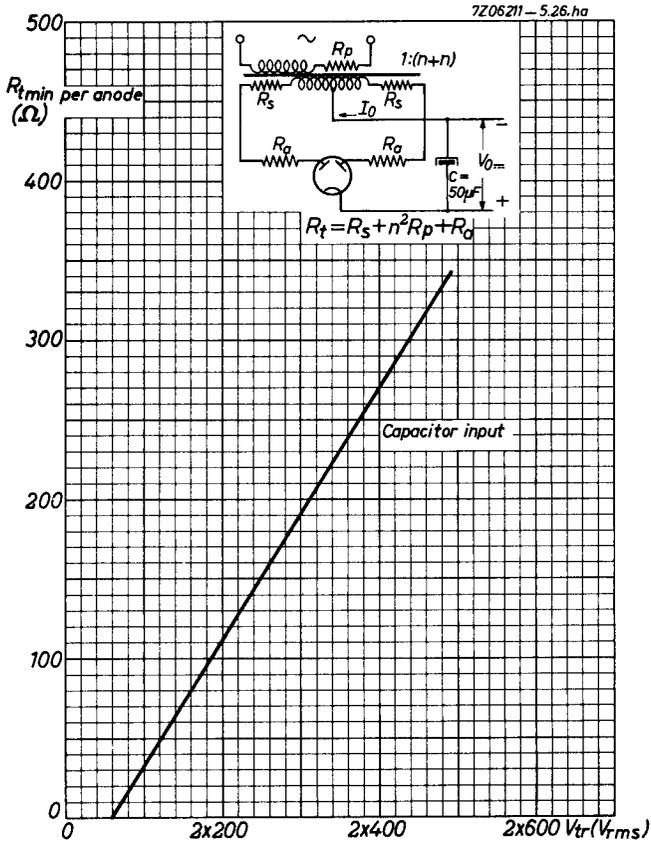
Transformer voltage	$V_{tr}$	2x250	2x350	2x450	$V_{RMS}$
D.C. output voltage	$V_o$	199	288	378	V
D.C. current	$I_o$	180	180	150	mA
Choke	L	10	10	10	H

## LIMITING VALUES (Design centre rating system)

Anode voltage, peak inverse	$V_{ainvp}$	max.	1300	V
D.C. current	$I_o$	See page 3		
Transformer voltage	$V_{tr}$	lower figure		
Anode current, peak	$I_{ap}$	max.	500	mA
surge	$I_{asurge}$	max.	1.8	A
Cathode to heater voltage, k pos	$V_{kf}$	max.	500	V
Input capacitor of smoothing filter	$C_{filt}$	max.	50	$\mu F$
Protecting resistance	$R_t$ min.	See page 5		
Choke	L min.	See page 4 lower fig.		







# PHILIPS

Data handbook



Electronic  
components  
and materials

## EZ81

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