

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

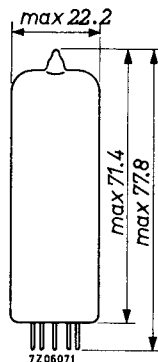
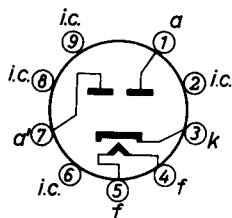
Heater current

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.

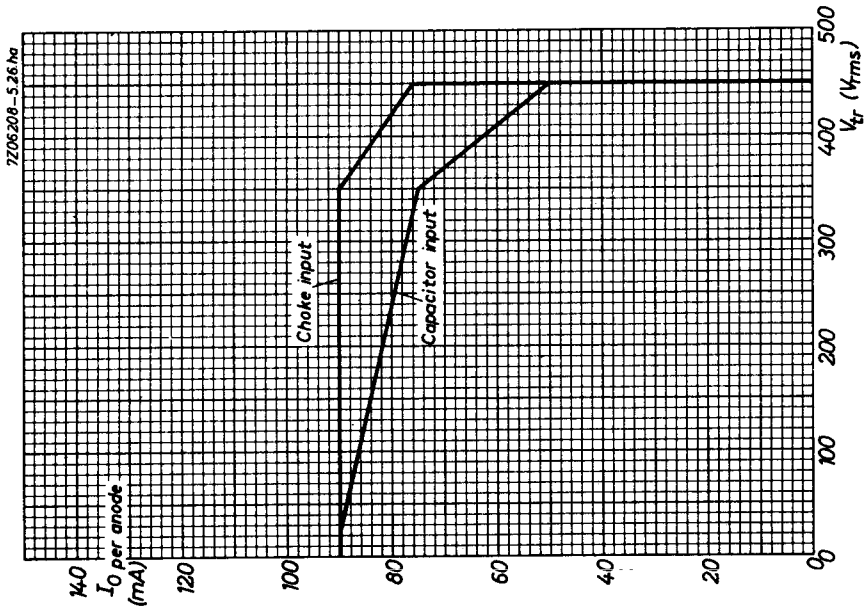
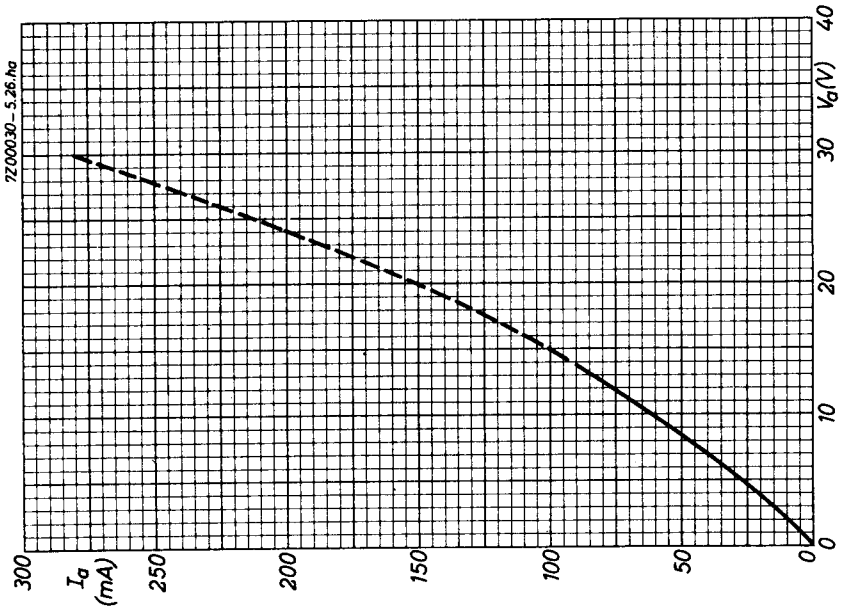
Transformer voltage	V_{tr}	2x250	2x350	2x450	V_{RMS}
D.C. output voltage	V_o	245	352	497	V
D.C. current	I_o	160	150	100	mA
Protecting resistance	R_t	2x150	2x230	2x310	Ω
Input capacitor of smoothing filter	C_{filt}	50	50	50	μF

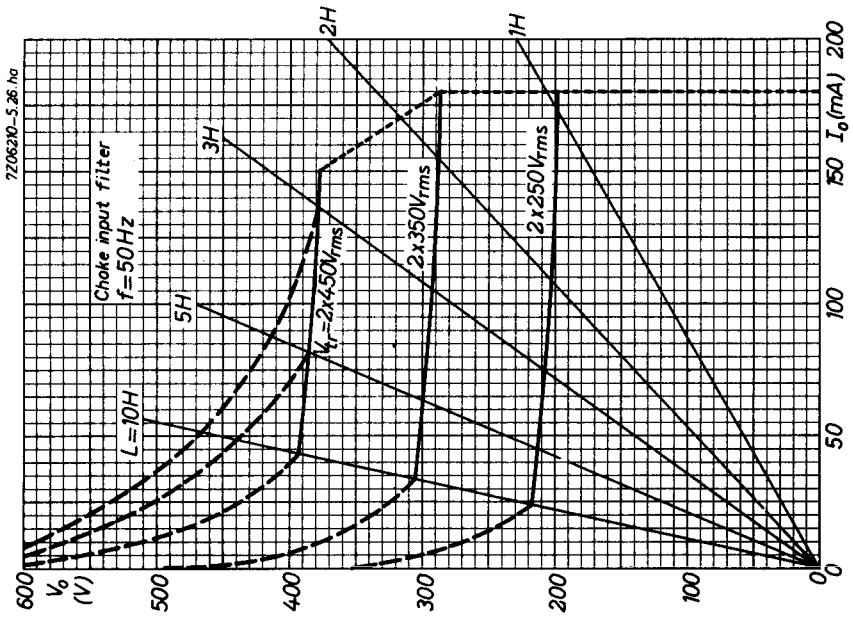
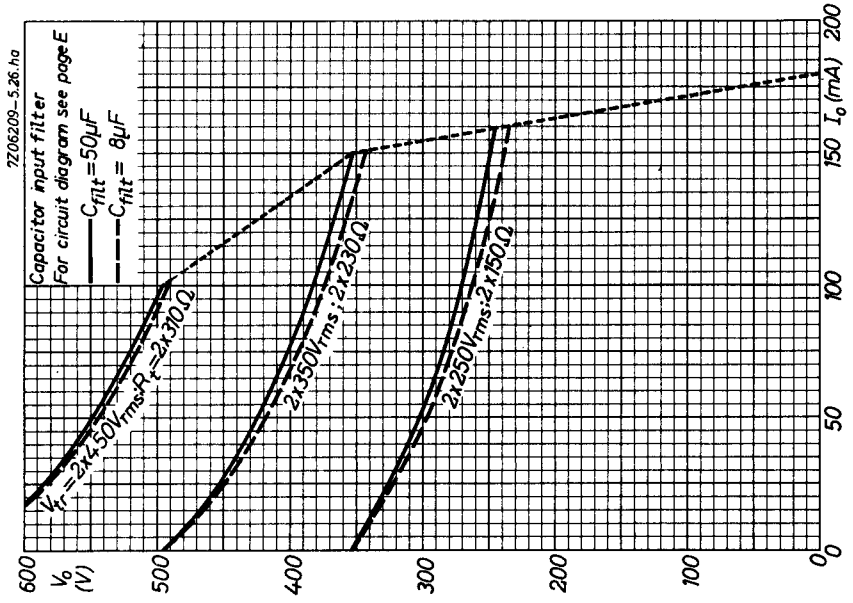
As two-phase half-wave rectifier with choke input filter See page 4 lower fig.

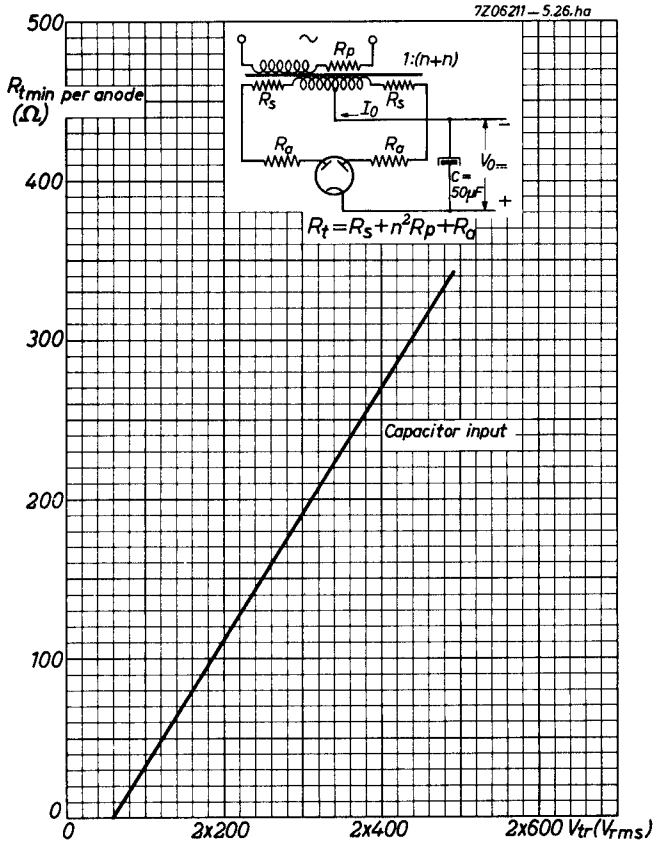
Transformer voltage	V_{tr}	2x250	2x350	2x450	V_{RMS}
D.C. output voltage	V_o	199	288	378	V
D.C. current	I_o	180	180	150	mA
Choke	L	10	10	10	H

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	μF
Protecting resistance	R_t min.	See page 5		
Choke	L min.	See page 4 lower fig.		







PHILIPS

Data handbook



Electronic
components
and materials

EZ81

page	sheet	date
1	1	1970.01
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3	3	1970.01
4	4	1970.01
5	5	1970.01
6	FP	1999.03.19