

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	250	mA

HEATING: Indirect by A.C.; parallel supply

Heater voltage

V_f 5 V

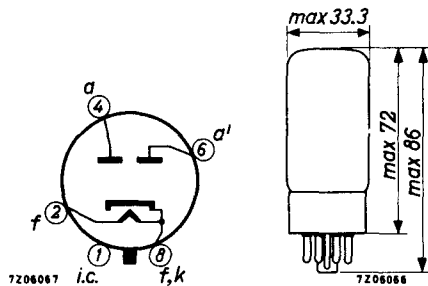
Heater current

I_f 1.9 A

DIMENSIONS AND CONNECTIONS

Dimensions in mm

Base: Octal



OPERATING CHARACTERISTICS

As two-phase half-wave rectifier with capacitor input

Transformer voltage	V_{tr}	2x300	2x350	2x400	V_{RMS}
D.C. output voltage	V_o	330	380	430	V
D.C. current	I_o	250	250	250	mA
Protecting resistance	R_t	2x75	2x100	2x125	Ω
Input capacitor of smoothing filter	C_{filt}	60	60	60	μF
Transformer voltage	V_{tr}	2x450	2x500	2x550	V_{RMS}
D.C. output voltage	V_o	480	560	640	V
D.C. current	I_o	250	200	160	mA
Protecting resistance	R_t	2x150	2x175	2x200	Ω
Input capacitor of smoothing filter	C_{filt}	60	60	60	μF

As two-phase half-wave rectifier with choke input

Transformer voltage	V_{tr}	2x300	2x350	2x400	V_{RMS}
D.C. output voltage	V_o	250	290	330	V
D.C. current	I_o	250	250	250	mA
Protecting resistor	R_t	0	0	0	Ω
Choke	L	10	10	10	H
Transformer voltage	V_{tr}	2x450	2x500	2x550	V_{RMS}
D.C. output voltage	V_o	375	420	465	V
D.C. current	I_o	250	250	225	mA
Protecting resistor	R_t	0	0	0	Ω
Choke	L	10	10	10	H

LIMITING VALUES (Design centre rating system)

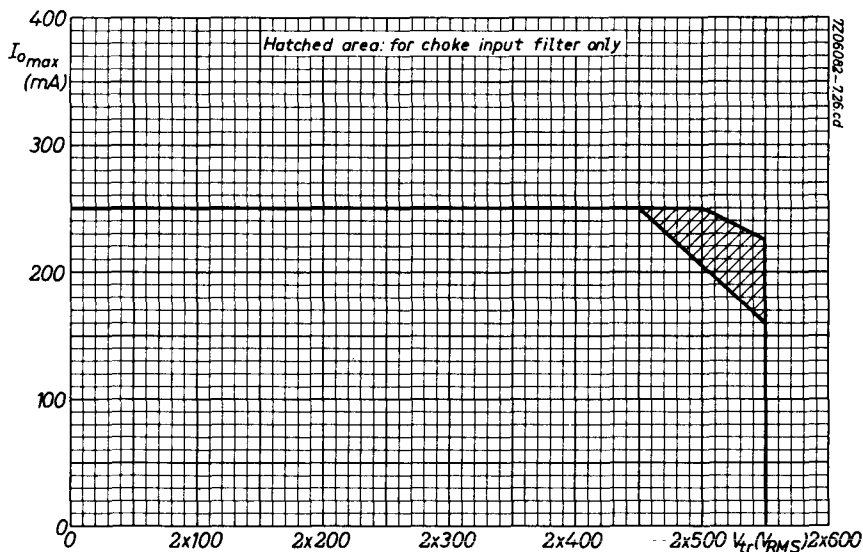
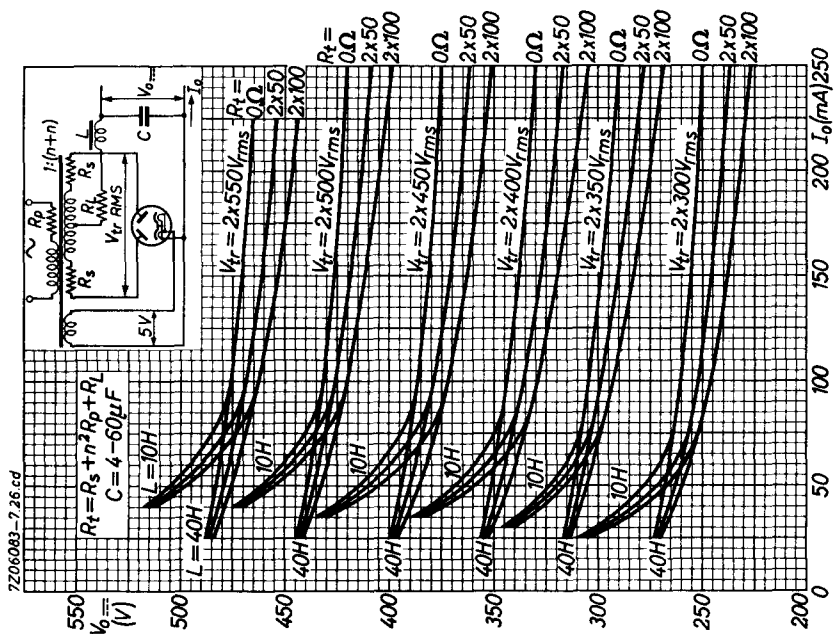
See also page 4

Capacitor input

Anode voltage, peak inverse	$V_{a\text{ invp}}$	max. 1500 V
D.C. current	I_o	max. See page 4
Anode peak current	I_{ap}	max. 750 mA
Input capacitor of smoothing filter	C_{filt}	max. 60 μF
Protecting resistance at transformer	$R_{t\text{ min.}}$	2x50 2x75 2x100 2x125 2x150 2x175 Ω
voltage	V_{tr}	2x300 2x350 2x400 2x450 2x500 2x550 V_{RMS}

Choke input

Anode voltage, peak inverse	$V_{a\text{ invp}}$	max. 1500 V
D.C. current	I_o	max. See page 4
Anode peak current	I_{ap}	max. 750 mA



PHILIPS

Data handbook



**Electronic
components
and materials**

GZ34

page	sheet	date
1	1	1970.01
2	2	1970.01
3	3	1972.01
4	4	1972.01
5	FP	1999.03.19