

SINGLE ANODE RECTIFYING TUBE

Single anode high vacuum rectifying tube.

QUICK REFERENCE DATA			
Transformer voltage	V_{tr}	250	V_{RMS}
D.C. current	I_o	180	mA

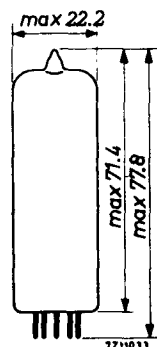
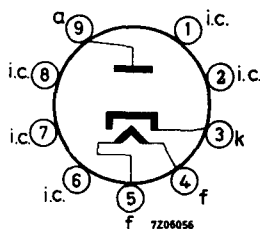
HEATING: Indirect by A.C. or D.C.; series supply

Heater current	I_f	300	mA
Heater voltage	V_f	19	V

DIMENSIONS AND CONNECTIONS

Base: Noval

Dimensions in mm

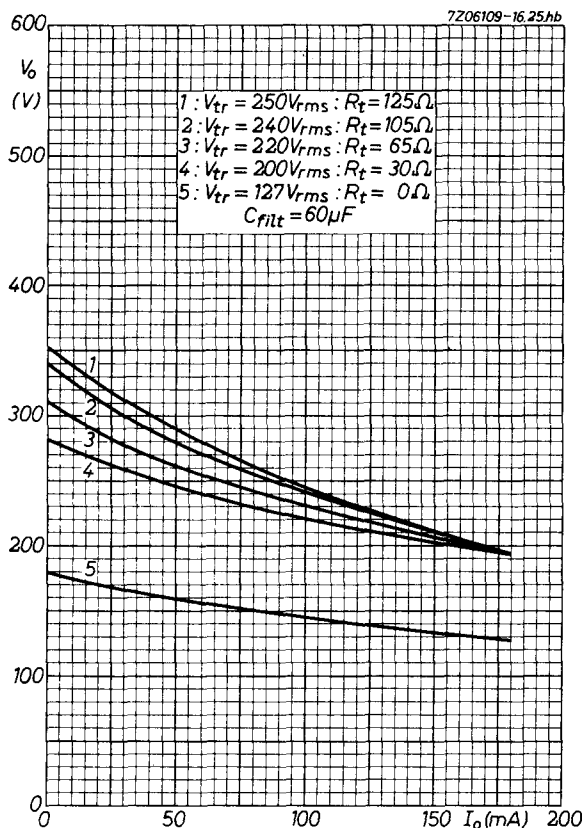


OPERATING CHARACTERISTICS as single-phase half-wave rectifier

Transformer voltage	V_{tr}	250	240	220	200	127	V_{RMS}
D.C. output voltage	V_o	195	195	195	195	127	V
D.C. current	I_o	180	180	180	180	180	mA
Protecting resistance	R_t	125	105	65	30	0	Ω
Input capacitance of smoothing filter	C_{filt}	60	60	60	60	60	μF

LIMITING VALUES (Design centre rating system)

Transformer voltage	V_{tr}	max.	250	V_{RMS}			
Anode voltage, peak inverse	V_{ainvp}	max.	700	V			
D.C. current	I_o	max.	180	mA			
Cathode to heater voltage, peak	V_{kf_p}	max.	550	V ¹⁾			
Input capacitance of smoothing filter	C_{filt}	max.	60	μF ²⁾			
Protecting resistance	R_t min.	100	80	40	30	0	Ω
at transformer voltage	V_{tr}	250	240	220	200	127	V



1) Max. 220 V_{RMS} A.C. voltage + max. 250 $V_{D.C.}$ voltage.
Cathode positive with respect to the heater.

2) When two tubes are placed in parallel, $C_{filt} = \text{max. } 100 \mu F$.
The resistor R_t must be inserted in the anode lead of each tube.

PHILIPS

Data handbook



**Electronic
components
and materials**

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