

SINGLE ANODE RECTIFYING TUBE

Single anode high vacuum rectifying tube.

QUICK REFERENCE DATA

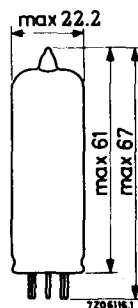
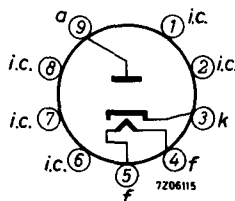
Transformer voltage	V_{tr}	250	V_{RMS}
D.C. current	I_o	110	mA

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

Heater current	I_f	100	mA
Heater voltage	V_f	38	V

DIMENSIONS AND CONNECTIONS

Base: Noval



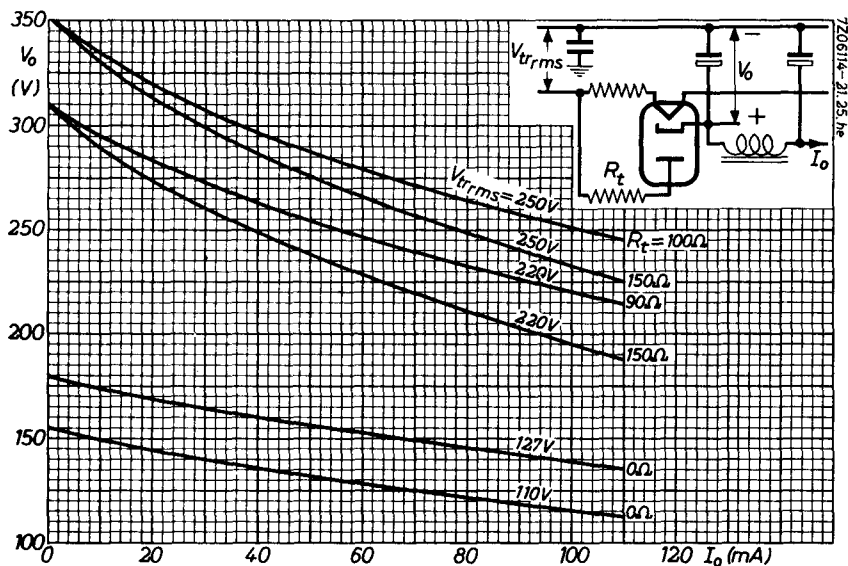
Dimensions in mm

OPERATING CHARACTERISTICS as single-phase half-wave rectifier

Transformer voltage	V_{tr}	250	220	127	110	V_{RMS}
D.C. output voltage	V_o	245	215	135	112	V
D.C. current	I_o	110	110	110	110	mA
Protecting resistance	R_t	100	90	0	0	Ω
Input capacitor of smoothing filter	C_{filt}	100	100	100	100	μF

LIMITING VALUES (Design centre rating system)

Anode voltage, peak inverse	$V_{a\text{ invp}}$	max.	700	V			
D.C. current	I_o	max.	110	mA			
Anode peak current	I_{ap}	max.	660	mA			
Cathode to heater voltage, peak, k pos.	V_{kfp}	max.	550	V			
Input capacitor of smoothing filter	C_{filt}	max.	100	μF			
Protecting resistance	R_t	min.	100	90	0	0	Ω
at transformer voltage	V_{tr}		250	220	127	110	V_{RMS}



PHILIPS

Data handbook



**Electronic
components
and materials**

UY85

page	sheet	date
1	1	1970.01
2	2	1970.01
3	FP	1999.07.29