

SINGLE ANODE RECTIFYING TUBE

Single anode high vacuum rectifying tube.

QUICK REFERENCE DATA		
Transformer voltage	V_{tr}	250 V
D.C. current	I_o	100 mA

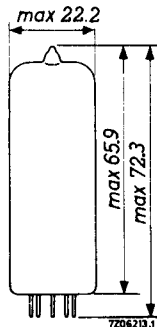
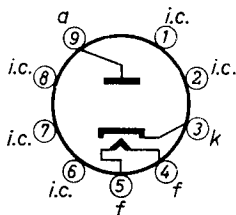
HEATING: Indirect by A.C. or D.C.; series supply

Heater current	I_f	100 mA
Heater voltage	V_f	31 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	205	188	135	113	V
D.C. current	I_o	100	100	100	100	mA
Protecting resistance	R_t	210	160	0	0	Ω
Input capacitor of smoothing filter	C_{filt}	50	50	50	50	μF

LIMITING VALUES (Design centre rating system)

Anode voltage, peak inverse	$V_{a\text{inv}p}$	max.	700	V			
D.C. current	I_o	max.	100	mA			
Anode current, peak	I_{ap}	max.	600	mA			
Heater to cathode voltage, peak, k pos.	V_{kfp}	max.	550	V			
Protecting resistance at transformer voltage	R_t	min.	210	160	0	0	Ω
			250	220	127	110	V_{RMS}

PHILIPS

Data handbook



Electronic
components
and materials

UY89

page	sheet	date
1	1	1969.12
2	2	1969.01
3	FP	1999.07.29