

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

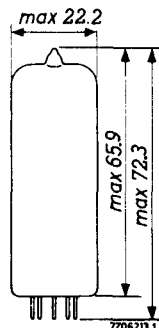
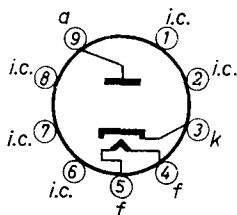
HEATING: Indirect by A.C. or D.C.; series supply

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	$I_{a p}$	max.	600	mA			
Heater to cathode voltage, peak, k pos.	$V_{k f p}$	max.	550	V			
Protecting resistance	R_t	min.	210	160	0	0	Ω
at transformer voltage	V_{tr}		250	220	127	110	V_{RMS}

PHILIPS

Data handbook



**Electronic
components
and materials**

UY89

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sheet

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1969.12

1969.01

1999.07.29