SINGLE ANODE RECTIFYING TUBE

Single anode high vacuum rectifying tube.

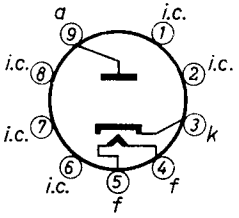
QUICK REFERENCE DATA			
Transformer voltage	V_{tr}	250	V
D.C. current	I_o	100	mA

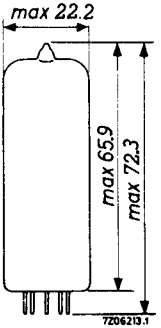
HEATING: Indirect by A.C. or D.C.; series supply

Heater current	I_f	100	mA
Heater voltage	V_f	31	V

DIMENSIONS AND CONNECTIONS Dimensions in mm

Base: Noval





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	$V_{a_{invp}}$	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_{kf_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

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