

PHILIPS

6 X 2

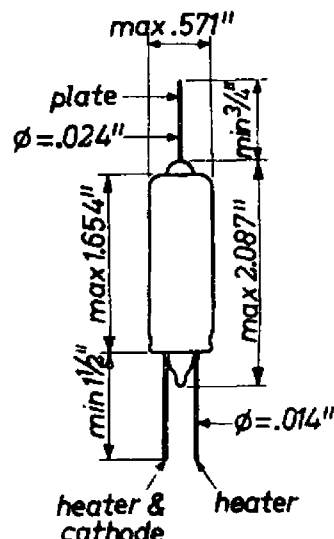
HIGH-VOLTAGE HIGH-VACUUM RECTIFYING TUBE

Physical Specifications

Heater	Coated unipotential
Base	none
Maximum overall length	2.087"
Maximum diameter	.571"
Mounting position	any

General Electrical Data

Capacitance between plate and cathode	0.8 μF
Heater voltage	6.3 volts
Heater current	90 ma



Maximum Ratings for operation at 60 c/s with sinusoidal input voltage (design center values)

Peak inverse plate voltage	max. 14,000 volts
D.C. output current	max. 3 ma
Filter input capacitor	max. 0.1 μF
Total effective plate supply impedance	min. 0.1 megohm

Maximum Ratings for operation at 10,000 to 500,000 c/s with sinusoidal voltage (design center values)

Peak inverse plate voltage	max. 17,000 volts
D.C. output current	max. 3 ma
Filter input capacitor	max. 0.01 μF
Total effective plate supply impedance	min. 0.1 megohm

Maximum Ratings for use as pulse type E.H.T. supply (design center values)

Peak inverse voltage	max. 17,000 volts
D.C. output current	max. 0.2 ma
Peak plate current	max. 80 ma ¹⁾
Filter input capacitor	max. 5000 μF

¹⁾ Maximum pulse duration $\frac{1}{2}$ % of one cycle, with a maximum of 5 μ seconds.

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