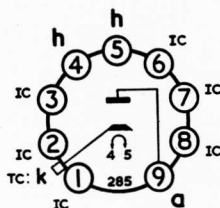


EFFICIENCY DIODE



B9A Base
CT1 Top Cap

GENERAL

This valve is an Efficiency Diode designed for use in the line output stages of television receivers using 110° cathode ray tubes.

Heater Current	I_h	0.3	A
Heater Voltage	V_h	19	V

RATINGS

Maximum Peak Inverse Voltage	$PIV_{(max)}$	5.5*	kV
Maximum Peak Heater to Cathode Voltage, Heater negative	$V_{h-k(pk)max}$	5.5*	kV
Maximum Mean Anode Current	$I_{a(av)max}$	175	mA ←
Maximum Peak Anode Current	$i_{a(pk)max}$	450	mA ←

* Rated for T.V. line scan where the duty cycle does not exceed 22% and the pulse duration does not exceed 18μs. ←

5.5 kV is a design centre rating, the absolute rating of 6.6 kV must not be exceeded. ←

INTER-ELECTRODE CAPACITANCES

		†	‡	§
Anode to Heater and Cathode	$C_{a-k,h}$	6.5	7.8	10 pF
Cathode to Heater and Anode	$C_{k-a,h}$	7.7	8.0	8.0 pF

† In fully shielded socket, without can.

‡ With holder capacity balanced out.

§ Total capacity including B9A nylon phenolic holder without skirt or radial shield (AEI holder type VH19/902)

MOUNTING POSITION—Unrestricted.

Indicates a change ←

