



ADVANCE DATA

MECHANICAL DATA

Bulb	T-6 $\frac{1}{2}$
Base	E9-1, Small Button 9-Pin
Outline	6-2
Basing	9AE
Cathode	Coated Unipotential
Mounting Position	Any

HEATER CHARACTERISTICS AND RATINGS

Average Characteristics

Series Operation

Heater Voltage ¹	5.6 Volts
Heater Current ¹	450 Ma
Heater Warm-up Time ²	11 Seconds

Ratings (Design Maximum Values)

Min. - Max.

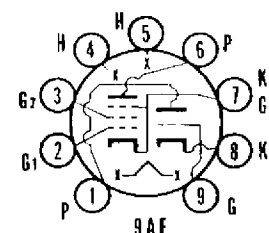
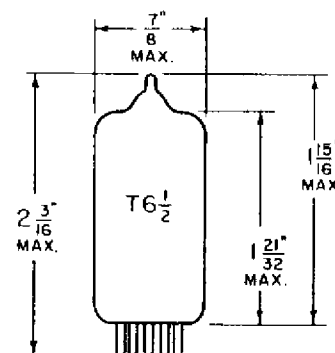
Heater Current ³	420-480 Ma
Maximum Heater-Cathode Voltage ⁴	
Heater Negative with Respect to Cathode	
Total DC and Peak	200 Volts
Heater Positive with Respect to Cathode	
DC	100 Volts
Total DC and Peak	200 Volts

NOTES:

1. For series operation of heaters, equipment should be designed that at normal supply voltage bogey tubes will operate at this value of heater current.
2. Heater warm-up time is defined as the time required for the voltage across the heater to reach 80% of the rated heater voltage after applying four (4) times rated heater voltage to a circuit consisting of the tube heater in series with a resistance equal to three (3) times the rated heater voltage divided by the rated heater current.
3. Heater voltage supply variations shall be restricted to maintain heater current within the specified values.
4. Heater-cathode voltage ratings apply to triode and pentode sections.

QUICK REFERENCE DATA

The Sylvania Type 5KD8 has a medium mu triode and sharp cutoff pentode contained in one envelope. It is intended for use as a combined VHF oscillator and mixer. Except for heater characteristics, type 5KD8 is identical to type 6KD8 as defined in EIA Release No. 3687.



SYLVANIA ELECTRONIC TUBES

A Division of
Sylvania Electric Products Inc.

RECEIVING TUBE OPERATIONS EMPORIUM, PA.

Prepared and Released By The
TECHNICAL PUBLICATIONS SECTION
EMPORIUM, PENNSYLVANIA

August 31, 1962
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