



RADIO MANUFACTURERS ASSOCIATION
ENGINEERING DEPARTMENT

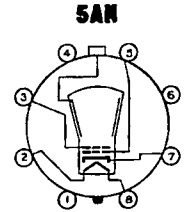
ELECTRONIC
TUBE CHARACTERISTICS

RMA Registration No. 365

TYPE 9HP7

February 15, 1944

Focusing Method	Magnetic
Deflecting Method	Magnetic
Maximum solid deflecting angle	40°
Phosphor	P7
Overall Length	21" ± 1 5/16"
Greatest diameter of bulb	9" ± 1/8"
Min. usable screen diameter (see note 1)	7 5/8"
Bulb Type	J72J2
Base RMA designation	8 pin Octal
Bulb contact RMA designation	Medium Metal
Basing RMA designation	5AN
Spot centering ² .	18 MM Radius
Direct interelectrode Capacitances (Max.)	
Grid #1 to all others	11 mmf.
Cathode to all others	9 mmf.



Electrical Characteristics

Ratings

Heater Voltage ³	6.3 volts
Heater current	0.6 amps.
High Voltage electrode	7700
Grid #2 (accelerating Electrode) Voltage	330
Grid #1 (control Electrode)	never positive
D. C. Heater Cathode Potential ⁴	-125 volts max.
Grid Circuit Resistance	1.5 megohms max.

Typical Conditions

High voltage electrode	4000	6000
Grid #2 voltage	250	250
Grid #1 voltage for cut-off ⁵	-50	-50 ± 50%
Grid #2 Current	100	100 ma. max.

Notes

1. Maximum diameter usable screen area 7 5/8". Beyond this diameter, the screen may be covered with an opaque coating on outside of bulb.
2. The centre of the undeflected, unfocused spot will fall within a circle of given radius concentric with the tube face.
3. Heater voltage and heater current allowable variation ± 10%.
4. With heater negative, cathode should be connected to the mid-tap or to one side of the heater supply.
5. Cut-off voltage is voltage necessary for visual extinction of stationary, focused spot.

