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CATHODE RAY TUBE CHARACTERISTIC SHEET

Proposed Data

Type 9MP7

Physical Characteristics

Focusing method	Magnetic
Deflecting method	Magnetic
Maximum solid deflecting angle	55°
Phosphor	P7
Overall length	$17\frac{1}{2}$" ± $\frac{1}{2}$"
Greatest diameter of bulb	9" ± 1/8"
Minimum usable screen diameter	$8\frac{1}{4}$"
Bulb type	J72R2
Base RMA Designation	8 Pin Octal
Bulb contact RMA Designation	Medium Metal
Basing RMA Designation	5AN
Spot Centering[1]	20 MM Radius
Direct Electrode Capacitances (Maximum)	
Grid #1 to all others	11 mmf.
Cathode to all others	9 mmf.

Electrical Characteristics

Ratings

Heater Voltage[2]	6.3 volts
Heater Current	0.6 amps
High Voltage Electrode	7700
Grid #2 (Accelerating Electrode) Voltage[5]	330
Grid #1 (Control Electrode)	never positive
D.C. Heater Cathode Potential[3]	-125 volts max.
Grid Circuit Resistance	1.5 megohms max.

Typical Conditions

High voltage electrode	4000	6000	
Grid #2 voltage[5]	250	250	
Grid #1 voltage for cutoff[4]	-50	-50	± 50%
Grid #2 Current	100	100	ma. Max.

Notes

1. The centre of the undeflected spot will fall within a circle of given radius concentric with the tube face.

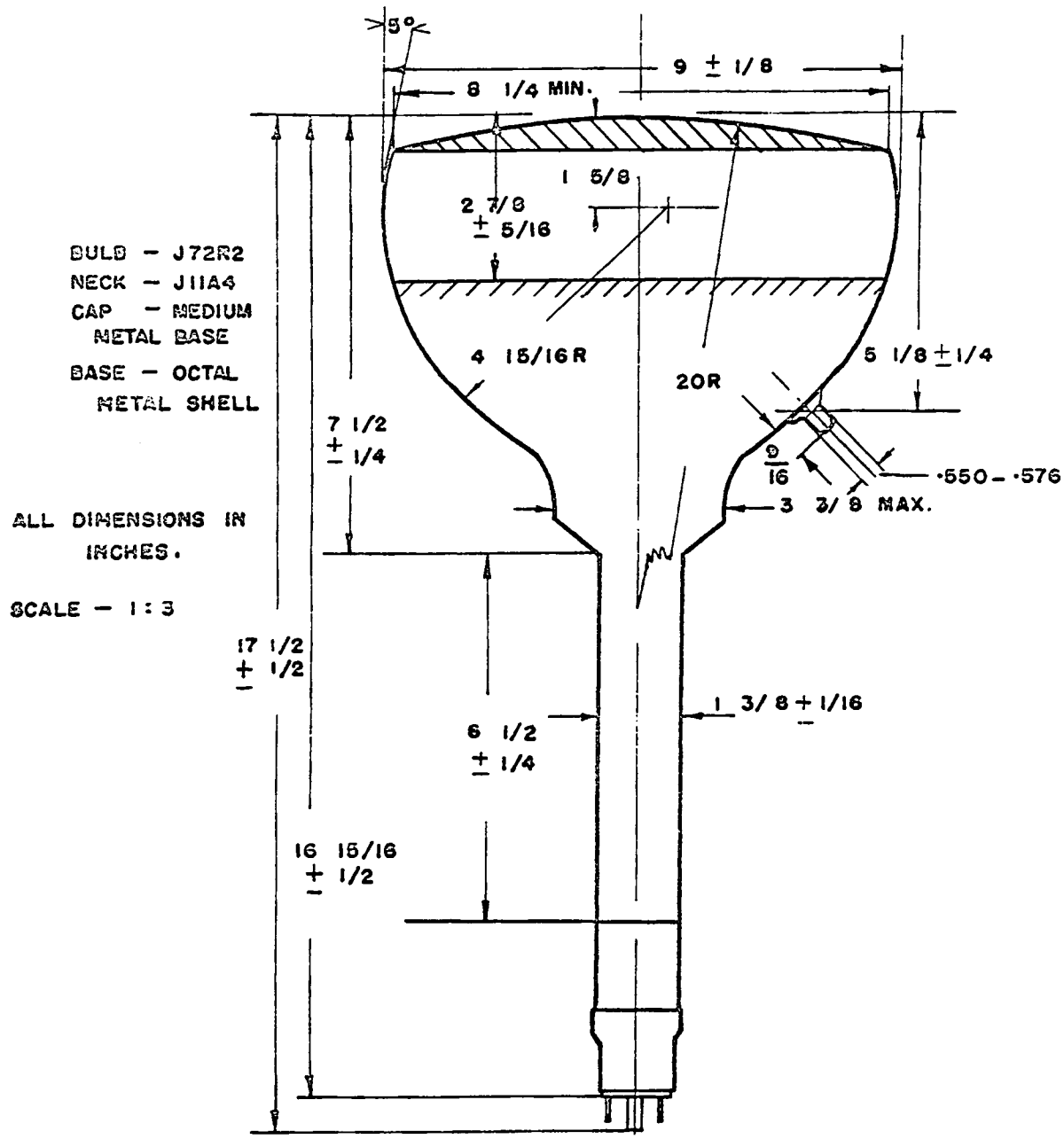
2. Heater voltage and heater current allowable variation ±10% .

3. With heater negative, Cathode should be connected to the mid-tap or to one side of heater supply.

4. Cut-off voltage is voltage necessary for visual extinction of a stationery focused spot.

5. Grid #2 may or may not be present. However the socket should be wired to accommodate a Grid #2 when present. On tubes without G_2, Ec, for cut-off varies as Eb, being 50 volts ±50% at Eb = 6000 volts.

HIGH VACUUM CATHODE RAY TUBE 9MP7.



PIN NO.	ELEMENT
1	NO. CONN.
2	H.
3	NO. CONN. (OR G2)
4	NO. CONN.
5	G1.
6	NO. CONN.
7	K.
8	H.