

CHARACTERISTICS

GENERAL DATA

Focusing Method	Electrostatic
Deflecting Method	Magnetic
Deflection Angle (approx.)	50 Degrees
Phosphor	Aluminized P4
Fluorescence	White
Persistence	Short to Medium
Faceplate	Gray Filter Glass
Light Transmittance	76 Percent

ELECTRICAL DATA

Heater Voltage	6.3 Volts
Heater Current (approx.)	0.6 Ampere
Direct Interelectrode Capacitances (approx.)	
Cathode to All Other Electrodes	5 $\mu\mu\text{f}$
Grid No. 1 to All Other Electrodes	6 $\mu\mu\text{f}$

MECHANICAL DATA

Minimum Useful Screen Diameter	9 $\frac{1}{8}$ Inches
Bulb Contact (Recessed Small Cavity Cap)	J1-21
Base (Small Shell Duodecal 6-Pin)	B6-63
Basing	12Q
Bulb Contact Aligns with Pin No. 6	± 10 Degrees

RATINGS

MAXIMUM RATINGS (Absolute Maximum Values)

Anode Voltage	22,000 Volts	dc
Grid No. 3 Voltage	3300 Volts	
Grid No. 2 Voltage	450 Volts	dc
Grid No. 1 Voltage		
Negative Bias Value	140 Volts	dc
Positive Bias Value	0 Volts	dc
Positive Peak Value	2 Volts	
Peak Heater-Cathode Voltage		
Heater Negative with Respect to Cathode		
During Warm-up Period not to Exceed 15 Seconds	450 Volts	
After Warm-up Period	200 Volts	
Heater Positive with Respect to Cathode	200 Volts	

TYPICAL OPERATING CONDITIONS

Anode Voltage ¹	14,000 Volts	dc
Grid No. 3 Voltage for Focus with $I_b=100 \mu\text{Amps}$	1640 to 2225 Volts	
Alignment magnet field strength	0 to 8 Gauss	
Grid No. 2 Voltage	200 Volts	dc
Grid No. 1 Voltage Required for Cutoff ²	-18 to -48 Volts	dc
Grid No. 3 Current at $I_b=100 \mu\text{Amps}$	25 μa	Max.

CIRCUIT VALUES

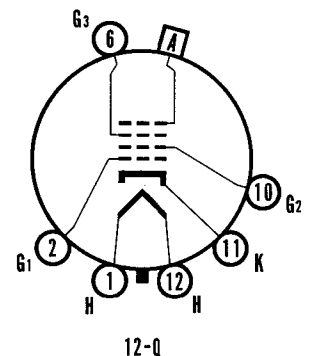
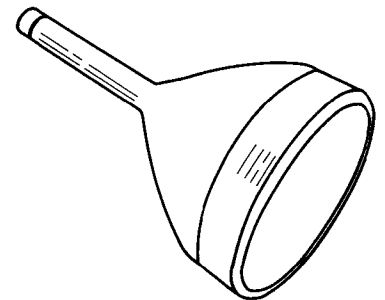
Grid No. 1 Circuit Resistance	1.5 Megohms Max.
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NOTES:

1. Brilliance and definition decrease with decreasing anode voltage. In general, anode voltage should not be less than 10,000 volts.
2. Visual extinction of focused raster. Extinction of stationary focused spot will require that these values be about 5 volts more negative.

QUICK REFERENCE DATA

Monitor Tube
10" Direct Viewed
Round Glass Type
Spherical Faceplate
Gray Filter Glass
Aluminized Screen
Magnetic Deflection
No Ion Trap
Acceleration Type
Electrostatic Focus



**SYLVANIA ELECTRIC
PRODUCTS INC.**

**TELEVISION PICTURE TUBE
DIVISION**

SENECA FALLS, NEW YORK

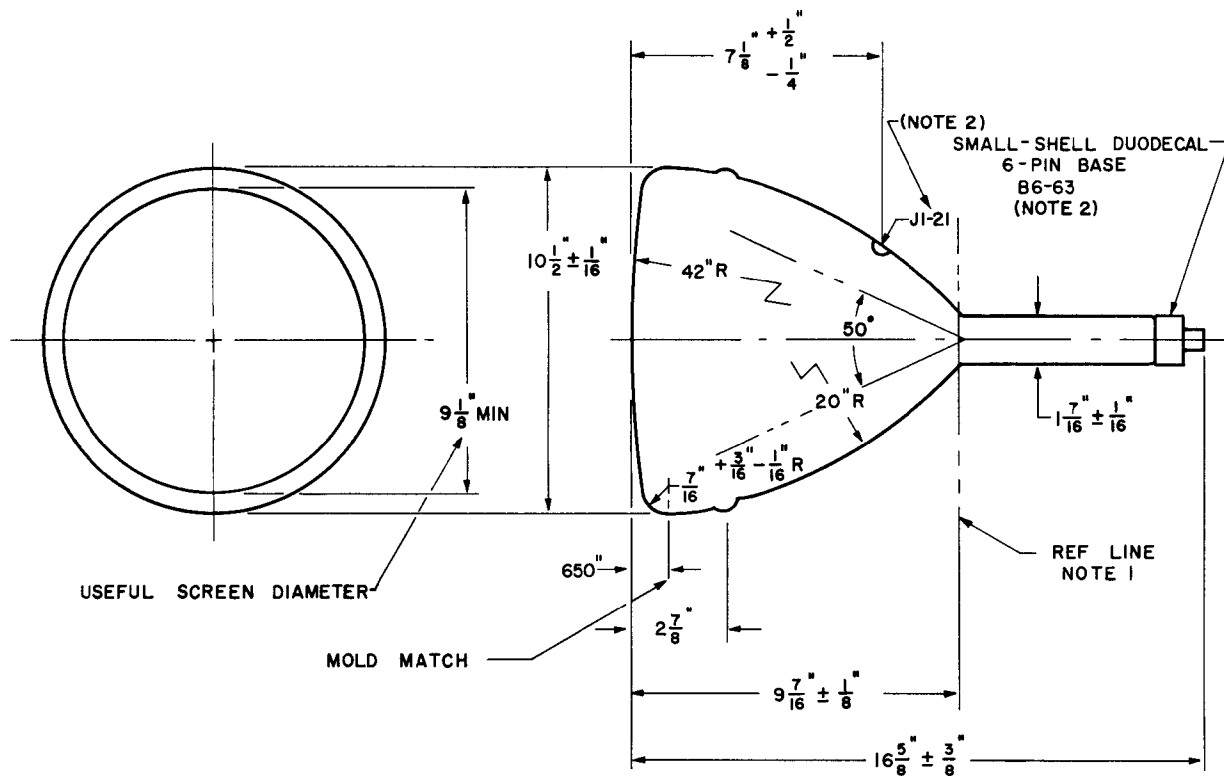
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WARNING:

X-ray radiation shielding may be necessary to protect against possible danger of personal injury from prolonged exposure at close range if this tube is operated at higher than the manufacturer's Maximum Rated Anode Voltage or 16,000 volts, whichever is less.



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DIAGRAM NOTES:

1. Reference line is determined by JETEC No. 112 reference line gauge.
2. The plane through the tube axis and Pin No. 6 may vary from the plane through the tube axis and bulb terminal by an angular tolerance (measured about the tube axis) of $\pm 10^\circ$. Bulb terminal is on same side as Pin No. 6.