

CHARACTERISTICS

GENERAL DATA

Focusing Method	Electrostatic
Deflecting Method	Magnetic
Deflection Angles (Approx.)	
Vertical	68 Degrees
Horizontal	85 Degrees
Diagonal	90 Degrees
Phosphor	Aluminized P4
Fluorescence	White
Persistence	Short to Medium
Faceplate	Gray Filter Glass
Light Transmittance of Faceplate and Cover Plate (Approx.)	60 Percent

ELECTRICAL DATA

Heater Voltage	6.3 Volts
Heater Current	0.60 ± 10 % Ampere
Direct Interelectrode Capacitances (Approx.)	
Cathode to All Other Electrodes	5 pf
Grid No. 1 to All Other Electrodes	6 pf

MECHANICAL DATA

Minimum Useful Screen Dimensions (Maximum Assured)	
Height	5 ³ / ₈ Inches
Width	7 ³ / ₁₆ Inches
Diagonal	7 ³ / ₄ Inches
Area	36 Sq. Inches
Nominal Overall Length	9 ¹⁵ / ₁₆ Inches
Nominal Neck Length	5 ¹³ / ₁₆ Inches
Bulb Contact (Recessed Small Cavity Cap)	J1-21
Base (Small Shell Duodecal 6-Pin)	B6-63
Basing	12M

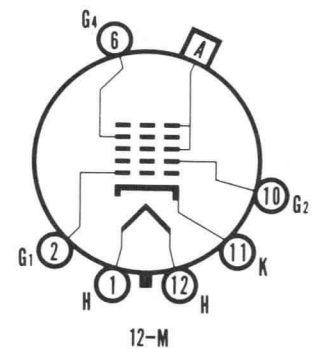
RATINGS

MAXIMUM RATINGS (Design Maximum Values)

Anode Voltage	18,000 Volts	dc
Grid No. 4 (Focusing Electrode) Voltage		
Positive Value	1100 Volts	dc
Negative Value	550 Volts	dc
Grid No. 2 Voltage	200 to 550 Volts	dc
Grid No. 1 Voltage		
Negative Peak Value	220 Volts	
Negative Bias Value	155 Volts	dc
Positive Bias Value	0 Volt	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 Equipment Warm-up Period	200 Volts	
Heater Positive with Respect to Cathode		
AC and DC	200 Volts	
DC	100 Volts	

QUICK REFERENCE DATA

Television Monitor Tube
8" Rectangular, All Glass
Electrostatic Focus
No Ion Trap
90° Magnetic Deflection
Gray Filter Glass
Aluminized Screen
High Resolution
Integral Implosion Cover Plate



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Electronic Components Group
ELECTRONIC TUBE DIVISION
SENECA FALLS, NEW YORK

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File Under

SPECIAL AND GENERAL
PURPOSE CATHODE RAY TUBES

TYPICAL OPERATING CONDITIONS

Anode Voltage	16,000 Volts	dc
Grid No. 4 Voltage for Focus	0 to 400 Volts	dc
Grid No. 2 Voltage	300 Volts	dc
Grid No. 1 Voltage Required for Cutoff ¹	-28 to -72 Volts	dc

CIRCUIT VALUES

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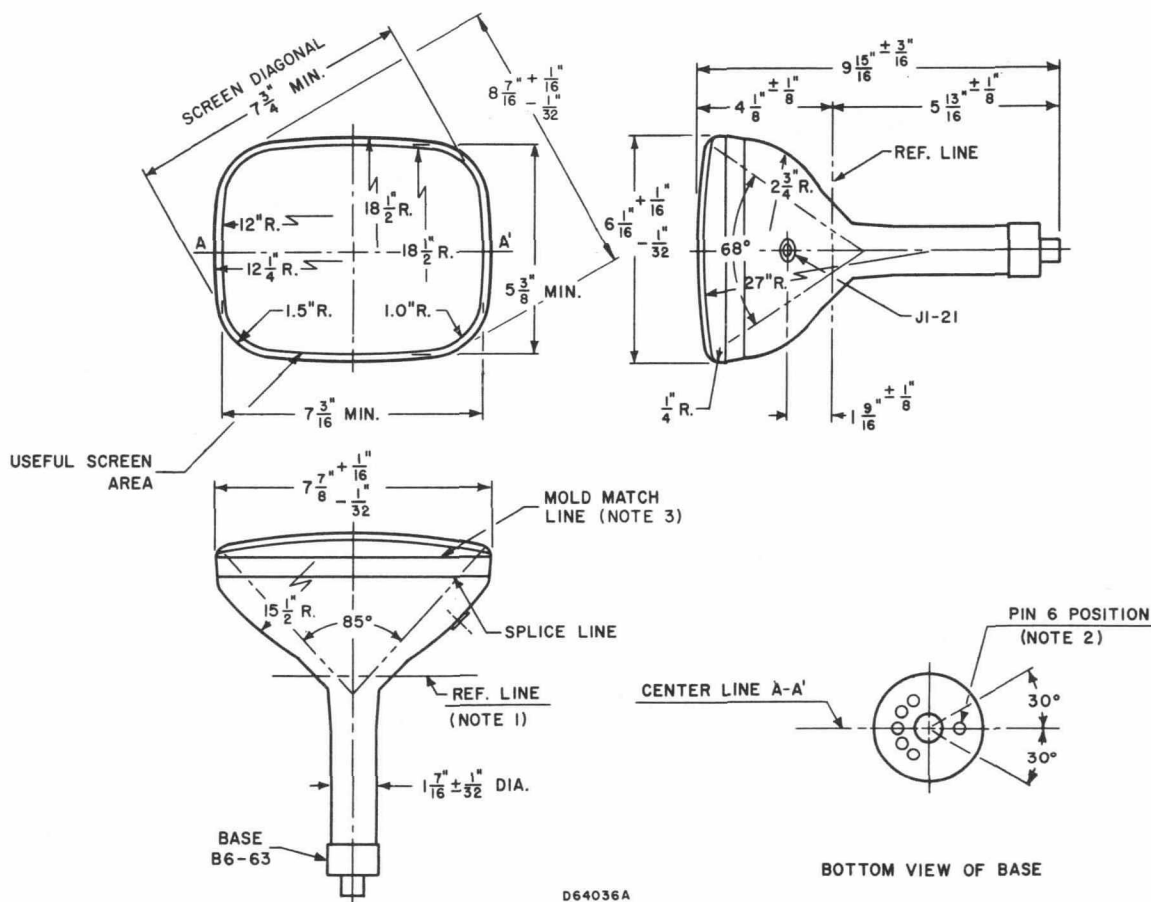
NOTE:

1. Visual extinction of focused raster. Extinction of stationary focused spot will require that these values be about 5 volts more negative.

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.

OUTLINE



D64036A

DIAGRAM NOTES:

1. Reference line is determined by the plane of C-C' of JEDEC No. 116 reference line gauge when the gauge is seated against the bulb.
2. Base Pin No. 6 aligns with horizontal centerline within $\pm 30^\circ$ and is on same side as anode contact (J1-21).
3. The maximum radial displacement of the periphery of the coverplate from its exact centered position on the neck axis is .040 Inches.