

SYLVANIA

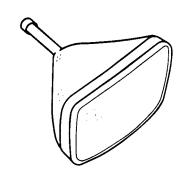
engineering data service

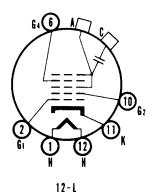
CHARACTERISTICS

CHARACTERISTICS	
GENERAL DATA	
Focusing Method Electrostatic	
Deflecting Method	
Deflection Angle (approx.)	
Horizontal	
Diagonal	
Phosphor	
Persistence	
Faceplate Glass	
Faceplate	
ELECTRICAL DATA	
Heater Voltage	
Heater Current (approx.)	
Direct Interelectrode Capacitances (approx.)	
Cathode to All Other Electrodes	
Grid No. 1 to All Other Electrodes $\mu\mu$ t	
External Conductive Coating to Anode ¹	
Ion Trap Magnet External, Single Field Type	
MECHANICAL DATA	
Minimum Useful Screen Dimensions	
Bulb Contact, (Recessed Small Cavity Cap)	
Base, (Small Shell Duodecal 6-Pin)	
Basing	
RATINGS	
RATINGS MAYIMUM RATINGS (Design Center Values)	
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MAXIMUM RATINGS (Design Center Values) Anode Voltage	
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QUICK REFERENCE DATA

Television Picture Tube 27" Direct Viewed Rectangular Glass Type Spherical Faceplate Gray Filter Glass Magnetic Deflection Electrostatic Focus Single Field Ion Trap Aluminized Screen External Conductive Coating





SYLVANIA ELECTRIC PRODUCTS INC.

TELEVISION PICTURE TUBE DIVISION SENECA FALLS, NEW YORK

Prepared and Released By The TECHNICAL PUBLICATIONS SECTION EMPORIUM, PENNSYLVANIA

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- 1. External conductive coating must be grounded.
- 2. Brilliance and definition decrease with decreasing anode voltage. In general, the anode voltage should not be less than this value.
- 3. Visual extinction of focused raster. Extinction of the stationary focused spot will require that these values be about 5 volts more negative.

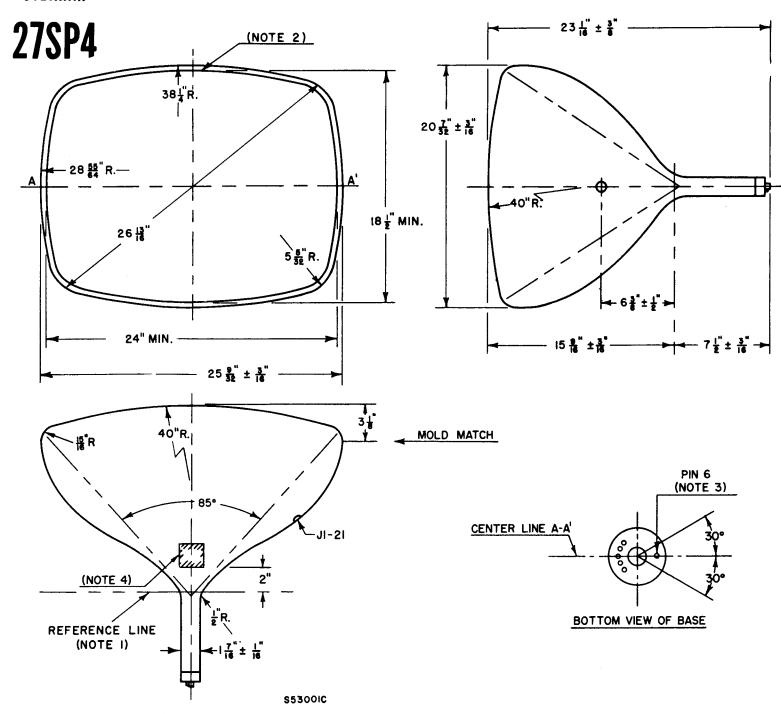


DIAGRAM NOTES:

- 1. Reference line is determined by the plane C-Cl of the reference line gauge (JETEC No. 116) when the gauge is resting on the cone. The neck diameter near the cone may exceed 1.500" but is limited by the internal contour of the yoke reference line gauge.
- 2. Useful screen area.
- 3. Anode contact aligns with pin No. 6 ±30 degrees.
- 4. In the interest of reducing the number of potential types due to different external coating shapes, only the 2" x 2" contact point is defined on the picture tube as shown in the drawing. The external coating may take any configuration above the reference line to produce the desired capacitance.

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.