

engineering data service

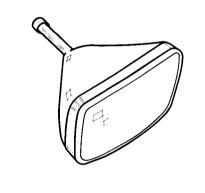
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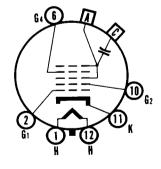
CHARACTERISTICS

CHARACTERISTICS		
GENERAL DATA		
Focusing Method		
ELECTRICAL DATA		
Heater Voltage6.3 VoltsHeater Current0.6 \pm 5% AmpereHeater Warm-up Time111 SecondsDirect Interelectrode Capacitances (approx.)Cathode to All Other Electrodes5 μμfGrid No. 1 to All Other Electrodes6 μμfExternal Conductive Coating to Anode22500 μμf2000 μμf	Max. Min.	
MECHANICAL DATA		
Minimum Useful Screen Dimensions (Maximum Assured) Height	es	
RATINGS		
MAXIMUM RATINGS (Absolute Maximum Values)3		
Anode Voltage	dc	
Grid No. 4 Voltage (Focusing Electrode)550 to +1100 Volts Grid No. 2 Voltage	dc dc	
Positive Bias Value	dc	
During Warm-up Period Not to Exceed 15 Seconds		
TYPICAL OPERATING CONDITIONS (Cathode Drive Service)3	
Anode Voltage	dc dc dc dc dc	
CIRCUIT VALUES		
Grid No. 1 Circuit Resistance	s Max.	

QUICK REFERENCE DATA

Television Picture Tube
24" Direct Viewed
Rectangular Glass Type
Spherical Faceplate
Gray Filter Glass
Aluminized Screen
Electrostatic Focus
90° Magnetic Deflection
Cathode Drive Design
Low Grid No. 2 Voltage
No Ion Trap
Short Neck Tube
External Conductive Coating





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SYLVANIA ELECTRIC PRODUCTS INC.

TELEVISION PICTURE TUBE DIVISION SENECA FALLS, NEW YORK

Prepared and Released By The TECHNICAL PUBLICATIONS SECTION EMPORIUM, PENNSYLVANIA

DECEMBER, 1957

PAGE 1 OF 3

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24AJP4

PAGE 2

NOTES:

- 1. Heater warm-up time is defined as the time required for the voltage across the heater to reach 80% of its rated value after applying four times rated heater voltage to a circuit consisting of the tube heater in series with a resistance equal to three (3) times rated heater voltage divided by rated heater current.
- 2. External conductive coating must be grounded.
- 3. This type is designed for cathode-drive service. Voltages shown are positive with respect to Grid No. 1 Voltage unless otherwise indicated.
- 4. For visual extinction of the undeflected focused spot.

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.

24AJP4

PAGE 3

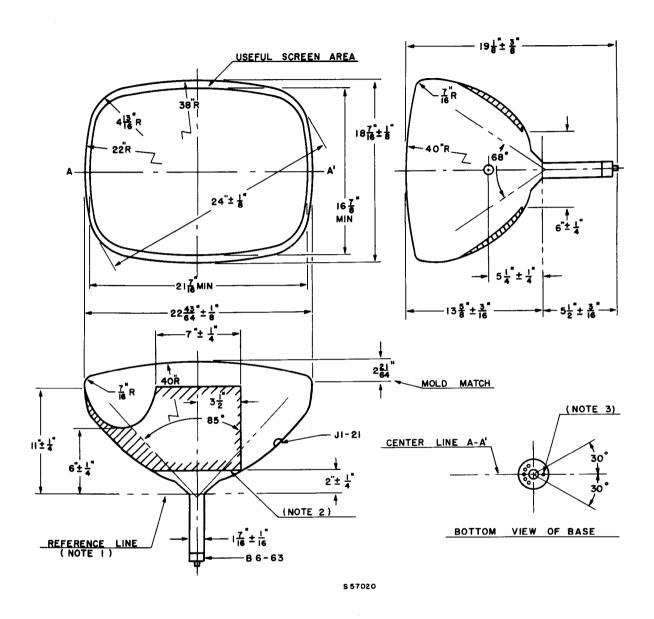


DIAGRAM NOTES:

- 1. Reference line is determined by the plane C-C' of the reference line gauge (JETEC No. 116) when the gauge is seated on the glass cone.
- 2. External conductive coating. Coating extends to near mold match line as dimensioned, on both long sides of bulb. and on the short side opposite the anode contact.
- 3. Pin No. 6 aligns with horizontal centerline of tube, within 30°, and is on same side as anode contact.

A Technical Publication of
SYLVANIA ELECTRIC
PRODUCTS INC.
EMPORIUM, PA.

