

engineering data service

sylvania 12KP4A 12KP-A*

CHARACTERISTICS

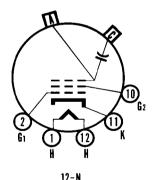
GENERAL DATA	
Focusing Method Magnetic Deflection Method Magnetic Deflection Angle (Approx.) 54 Phosphor Aluminized P4 Fluorescence White Persistence Short to Medium Faceplate Gray Filter Glass Transmittance (Approx.) 74 *In addition to the types shown, the 12KP-A can be supplied with several other screen phosphors.	Degrees
ELECTRICAL DATA	
Grid No. 1 to All Other Electrodes	Ampere
MECHANICAL DATA	
Minimum Useful Screen Diameter	
Basing	
Weight (Approx.)	
RATINGS RATINGS RATINGS RATINGS	Pounds Volts d Volts d
RATINGS RATINGS MAXIMUM RATINGS (Absolute Maximum Values) Anode Voltage	Pounds Volts d Volts d Volts Volts Volts Volts
RATINGS RATINGS RATINGS RATINGS	Volts d Volts Volts Volts
RATINGS RATINGS MAXIMUM RATINGS (Absolute Maximum Values) Anode Voltage	Volts de Volts Vol

Grid No. 1 Circuit Resistance . . .

QUICK REFERENCE DATA

Video Monitor Tube
12" Direct Viewed
Round Glass Type
Magnetic Deflection
Magnetic Focus
External Conductive Coating
Gray Filter Glass Faceplate
Aluminized Screen





SYLVANIA ELECTRONIC TUBES

A Division of SYLVANIA ELECTRIC PRODUCTS, Inc.

PICTURE TUBE
OPERATIONS
SENECA FALLS, NEW YORK

Prepared and Released By The TECHNICAL PUBLICATIONS SECTION EMPORIUM, PENNSYLVANIA

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1.5 Megohms Max.

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NOTES:

- 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 9,000 volts.
- 3. Visual extinction of undeflected focused spot.
- 4. For JETEC Focusing Coil No. 106 positioned with center line of air gap $3\frac{1}{4}$ inches from reference line (See Outline Drawing). The indicated current is for condition with combined Grid No. 1 bias voltage and video signal voltage adjusted to produce a highlight brightness of 35 foot-lamberts on a $10\frac{1}{2}$ " x $7\frac{3}{4}$ " picture area, and sharply focused at the center of the screen.
- 5. The center of the undeflected, unfocused spot will fall within a circle having 20 mm radius concentric with the center of the tube face.

WARNING:

X-ray radiation shielding may be necessary to protect against 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.

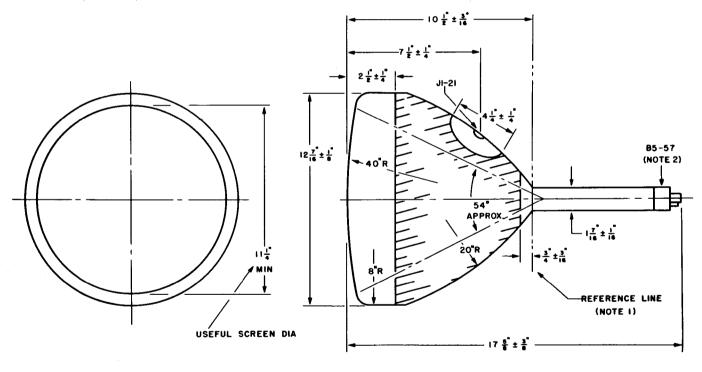


DIAGRAM NOTES:

- 1. Reference line is determined by plane of upper edge of JETEC No. 112 reference line gauge, when the gauge is seated against the bulb.
- 2. Vacant pin position No. 3 aligns with anode contact cap (J1-21) within 30 degrees.