

engineering data service

14QP4 14QP4A

SYLVANIA

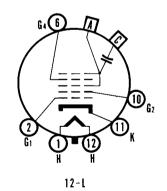
CHARACTERISTICS

CHARACTERISTICS	
GENERAL DATA	
Focusing Method Electrostatic Deflecting Method	
Horizontal	
Heater Voltage	Max. Min.
MECHANICAL DATA	
Minimum Useful Screen Dimensions (maximum assured)	
(Recessed Small Cavity Cap)	
RATINGS	
MAXIMUM RATINGS (Absolute Maximum Values)	
Anode Voltage	DC
(Focusing Electrode)550 to + 1100 Volts Grid No. 2 Voltage	DC DC
Negative Bias Value	DC DC
During Warm-up Period not to Exceed 15 Seconds 450 Volts After Equipment Warm-up Period 200 Volts Heater Positive with Respect to Cathode 200 Volts	
TYPICAL OPERATING CONDITIONS	
Anode Voltage	DC DC DC DC Min.
CIRCUIT VALUES	
Grid No. 1 Circuit Resistance	Max.

QUICK REFERENCE DATA

Television Picture Tube
14" Direct Viewed
Rectangular Glass Type
Spherical Faceplate
Gray Filter Glass
Magnetic Deflection
Electrostatic Focus
Single Field Ion Trap
External Conductive Coating
14QP4A has Aluminized Screen





SYLVANIA ELECTRIC PRODUCTS INC.

RADIO TUBE DIVISION EMPORIUM, PA.

Prepared and Released By The
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EMPORIUM, PENNSYLVANIA

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NOTES:

- 1. Heater Warm-up Time is the time required for the voltage across the heater terminals to increase to 5.0 volts in the JETEC test circuit, with E=25 volts and series R=31.5 ohms.
- 2. External conductive coating must be grounded.
- 3. Visual extinction of raster.
- 4. For JETEC Ion Trap Magnet No. 117.
- 5. For typical PM ion trap magnet with field strength tolerance of ± 3 gausses.

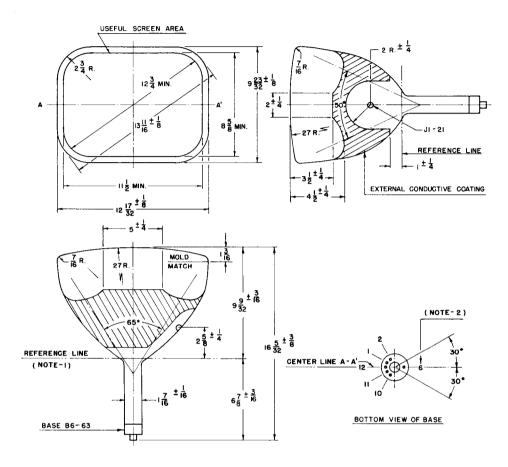


DIAGRAM NOTES:

- 1. Reference line is determined by the plane C-C' of the JETEC No. 110 reference line gauge when the gauge is resting on the tube cone.
- 2. Anode contact aligns with Pin No. 6 ±30 degrees.
- 3. All dimensions are in inches.

14QP4A

The Sylvania Type 14QP4A is identical to Type 14QP4 except it has an aluminized screen.

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.