

engineering data service

SYLVANIA

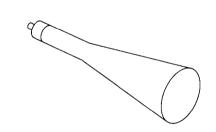
5BP1A 5BP-A*

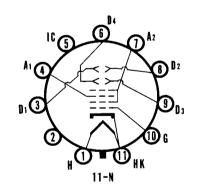
CHARACTERISTICS

C2222 2022000
GENERAL DATA
Focusing Method Electrostatic Deflecting Method Electrostatic Phosphor P1 Fluorescence Green Persistence Medium Faceplate Clear
*In addition to the type shown, the 5BP-A can be supplied with several other screen phosphors.
ELECTRICAL DATA
Heater Voltage
RATINGS
MAXIMUM RATINGS (Absolute Maximum Values)
Anode No. 2 Voltage
Positive Bias Value 0 Volts dc Peak Voltage Between Anode No. 2 and Any Deflection Plate 550 Volts
TYPICAL OPERATING CONDITIONS
Anode No. 2 Voltage ³
CIRCUIT VALUES
Grid No. 1 Circuit Resistance

QUICK REFERENCE DATA

Oscilloscope Tube 5" Direct Viewed Round Glass Type Electrostatic Deflection Electrostatic Focus





SYLVANIA ELECTRIC PRODUCTS INC.

TELEVISION PICTURE TUBE DIVISION

SENECA FALLS, NEW YORK

Prepared and Released By The
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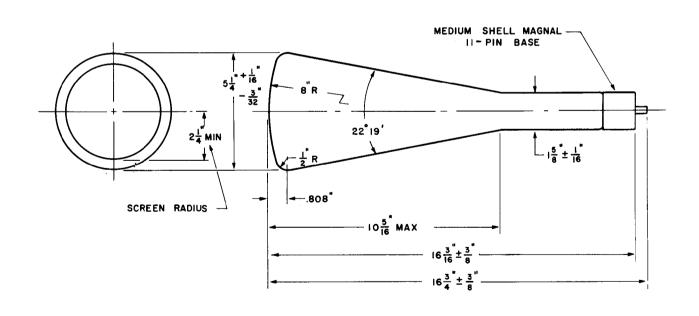
SYLVANIA 5BP1A 5BP-A*

NOTES:

- Deflecting Plate 1 is Pin No. 3
 Deflecting Plate 2 is Pin No. 8
 Deflecting Plate 3 is Pin No. 9
 Deflecting Plate 4 is Pin No. 6
- 2. Trace produced by plates D3-D4 aligns with plane through tube axis and Pin No. 1, within 10°. Angle between D1-D2 trace and D3-D4 trace is 90° ± 3°. With D3 positive with respect to D4, the spot is deflected toward Pin No. 1. With D1 Positive with respect to D2, the spot is deflected toward Pin No. 4.
- 3. Brilliance and definition decrease with decreasing Anode No. 2 Voltage. In general, Anode No. 2 Voltage should not be less than 1500 volts.
- 4. Visual extinction of undeflected focused spot.
- 5. Deflecting Plates 1-2 are nearer the screen.
- 6. Deflecting Plates 3-4 are nearer the base.

5BP1

Sylvania Type 5BP1A supersedes Type 5BP1.



S 58006