

## DESCRIPTION

A flat face 5" high resolution electrostatically deflected and focused cathode ray tube. Monoaccelerator construction is employed for maximum resolution and minimum deflection defocusing and pattern distortion. Deflection electrodes are brought out through the neck wall to minimize lead inductance and capacitance.

## CHARACTERISTICS

### GENERAL DATA

|                   |               |
|-------------------|---------------|
| Focus Method      | Electrostatic |
| Deflection Method | Electrostatic |
| Phosphor*         | P11           |

\*The tube can be supplied in any of several standard phosphors if required.

### ELECTRICAL DATA

|                |                         |
|----------------|-------------------------|
| Heater Voltage | 6.3 Volts               |
| Heater Current | 0.600 $\pm$ 10 % Ampere |

### MECHANICAL DATA

|                       |                                             |
|-----------------------|---------------------------------------------|
| Overall Length        | 18 $\frac{5}{8}$ $\pm$ $\frac{3}{8}$ Inches |
| Face to Neck Contacts | 11 $\frac{1}{4}$ $\pm$ $\frac{1}{4}$ Inches |
| Neck Diameter         | 2 Inches                                    |
| Face Diameter         | 5 Inches                                    |
| Base                  | B12-37                                      |
| Medium Shell Diheptal | 12 Pin                                      |
| Neck Buttons (7)      | J1-25                                       |

4 Deflection Plates

1 A2 Contact

1 Focus Contact

1 Astigmatism

J42P

Bulb . . . . . See Diagram

Basing . . . . . 90  $\pm$  1 Degree

Trace Angle Between 1D2 and 3D4 Traces

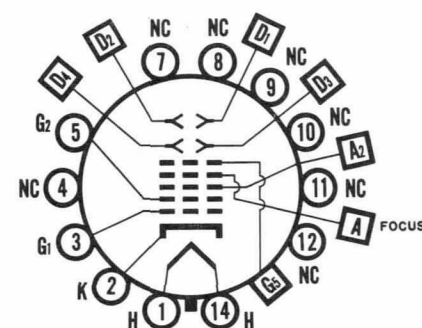
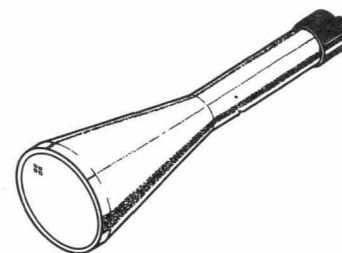
Dynamic Focusing is Recommended for Optimum Operation.

### MAXIMUM RATINGS

|                                         |           |
|-----------------------------------------|-----------|
| Anode A2 Voltage                        | 11 Kv     |
| Anode A1 Voltage                        | 6 Kv      |
| G2 Voltage                              | 4 Kv      |
| Grid No. 1 Voltage                      |           |
| Negative Bias Value                     | 220 Volts |
| Positive Bias Value                     | 0 Volt    |
| Positive Peak Value                     | 2 Volts   |
| Peak Heater Cathode Voltage             |           |
| Heater Negative with Respect to Cathode | 200 Vdc   |
| Heater Positive with Respect to Cathode | 0 Vdc     |
| Peak Voltage Between Anode No. 2 and    |           |
| Any Deflection Plate                    | 800 Vdc   |

## QUICK REFERENCE DATA

High Resolution for Photo-graphic Recording  
5" Flat Face  
High Resolution  
Electrostatic Focus  
Electrostatic Deflection  
Monoaccelerator Construction  
Deflection Contacts Brought Out Through Neck  
SC-3195B—Aluminized Screen



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PAGE 1 OF 2

File Under

SPECIAL AND GENERAL  
PURPOSE CATHODE RAY TUBES

