THE 23F7 IS A DIRECT-VIEW PICTURE TUBE FOR USE IN TELEVISION RECEIVERS AND INCLUDES SUCH FEATURES AS:

- A short straight electron gun not requiring an ion trap
- A short neck
- A diagonal deflection angle of 114°
- A gray tinted face
- Rectangular Glass Type
- Flat compound face
- Electrostatic Focus
- Metal Backed Screen

NOTES

1. Grid No. 5, Grid No. 3, and the collector are connected together within the tube, and referred to herein as anode.

2. Cathode should be returned to one side or to the mid-tap of the heater transformer winding.

3. For focus with anode current of 100 µA and 19 1/4 x 15 3/16" raster.

4. Visual extinction of focused raster. Extinction of stationary focused spot will require that these values be about 5 volts more negative.

RECOMMENDED OPERATING CONDITIONS

Anode Voltage ........................................... 16,000 Volts dc
Grid No. 4 Voltage (Note 3) ....................... 0 to +400 Volts dc
Grid No. 2 Voltage ..................................... 300 Volts dc
Grid No. 1 Voltage (Note 4) ....................... -35 to -72 Volts dc
1. Base Pin No. 4 aligns with horizontal centerline (A-A') within 30° and is on same side as anode contact, J1-J2.

2. Reference line is determined by plane C-C' of JEDEC No. 126 Reference Line Gauge, when the gauge is seated against the bulb.

3. Socket for this base should not be rigidly mounted; it should have flexible leads and be allowed to move freely. Bottom circumference of base shell will fall within a circle concentric with bulb axis and having a diameter of 1-3/8".

4. Anti-corona coating around connector.

5. External Conductive Coating must be grounded.