CHARACTERISTICS

GENERAL DATA
Focusing Method .................................. Electrostatic
Deflecting Method ................................ Magnetic
Deflecting Angle (approx.)
  Horizontal .................................. 65 Degrees
  Diagonal .................................. 70 Degrees
Phosphor .................................. P4
Fluorescence .................................. White
Persistence .................................. Medium
Faceplate .................................. Gray Filter Glass
Light Transmittance (approx.) ....................... 72 Percent

ELECTRICAL DATA
Heater Voltage .................................. 6.3 Volts
Heater Current (approx.) ....................... 0.6 Ampere
Direct Interelectrode Capacitances (approx.)
  Cathode to All Other Electrodes ............... 5 μF
  Grid No. 1 to All Other Electrodes .......... 6 μF
  External Conductive Coating to Anode1 .... 1500 μF Max.
  .. .................................. 750 μF Min.
Ion Trap Magnet .................................. External, Single Field Type

MECHANICAL DATA
Minimum Useful Screen Dimensions .............. 10¾ x 14¼ Inches
Bulb Contact, (Recessed Small Cavity Cap) .... J1-21
Base, (Small Shell Duodecal 6-Pin) .............. B6-63
Basing .................................. 12L

RATINGS
MAXIMUM RATINGS (Design Center Values)
  Anode Voltage .................................. 16,000 Volts d.c
  Grid No. 4 (Focusing Electrode) Voltage ........ -500 to +1000 Volts d.c
  Grid No. 2 Voltage ................................ 500 Volts d.c
  Grid No. 1 Voltage
    Negative Bias Value .......................... 125 Volts d.c
    Positive Bias Value .......................... 0 Volts d.c
    Positive Peak Value .......................... 2 Volts
  Peak Heater-Cathode Voltage
    Heater Negative with Respect to Cathode
      During Warm-up Period not to Exceed 15 Seconds 410 Volts d.c
      After Equipment Warm-up Period .................. 180 Volts d.c
    Heater Positive with Respect to Cathode .......... 180 Volts d.c

RECOMMENDED OPERATING CONDITIONS
  Anode Voltage .................................. 14,000 Volts d.c
  Grid No. 4 Voltage ................................ -56 to +310 Volts d.c
  Grid No. 2 Voltage ................................ 300 Volts d.c
  Grid No. 1 Voltage Required for Cutoff ........ -33 to -77 Volts d.c
  Ion Trap Magnet Strength (approx.) .............. 35 Gausses

CIRCUIT VALUES
  Grid No. 1 Circuit Resistance ...................... 1.5 Megohms Max.

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 this value.
3. Visual extinction of undeflected focused spot.

SYLVANIA ELECTRIC PRODUCTS INC.
TELEVISION PICTURE TUBE DIVISION
SENeca FALLS, NEW YORK
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DIAGRAM NOTES:
1. Reference line is determined by the plane of the upper edge of the reference line gauge (RTMA No. 110) when the gauge is resting on the glass cone.
2. Anode aligns with pin position No. 6 ±30 degrees.

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.