SYLVANIA—ELECTRIC
RMA Registration Data

TYPE 10MP4
CATHODE-RAY TUBE

The Type 10MP4 is a ten inch magnetic-focus and magnetic-deflection direct-view picture tube for television applications. This type has an external conductive coating, and it has an electron gun of triode construction to be used with an external ion-trap magnet.

GENERAL DATA

ELECTRICAL

Heater Voltage ............................................. 6.3 volts
Heater Current ............................................. 0.6 ± 10% amps
Focusing Method ............................................. magnetic
Deflecting Method .......................................... magnetic
Deflecting Angle (approx.) ................................. 52 degrees
Phosphor ....................................................... #4
  Fluorescence .............................................. white
  Persistence ............................................... medium
Capacitance
  External Conductive Coating to Anode
    Maximum ............................................... 2,500 µµf
    Minimum ............................................... 500 µµf

MECHANICAL

Overall Length ............................................. 17 ± 3/8 inches
Greatest Diameter of Bulb ................................. 10 1/2 ± 1/16 inches
Minimum Useul Screen Diameter ......................... 9 1/8 inches
Bulb Contact .............................................. J1-21, Recessed Small Cavity Cap
Base ......................................................... B5-57, Small Shell Duodecal 5-Pin
Basing ....................................................... 12G
Bulb Contact Alignment with Pin Position #3 (vacant) .... ±10 degrees

MAXIMUM RATINGS— Design Center Values

Anode Voltage (dc) ........................................... 10,000 volts
Grid Voltage
  Negative-Bias (dc) ..................................... 125 volts
  Positive-Bias (dc) ...................................... 0 volts
  Positive Peak .......................................... 2 volts
Peak Heater-Cathode Voltage
  Heater Negative with Respect to Cathode
    During Warm-Up Period (1) ......................... 410 volts
    After Warm-Up Period .............................. 125 volts
  Heater Positive with Respect to Cathode .......... 125 volts

(1) Not to exceed 15 seconds.

SYLVANIA ELECTRIC PRODUCTS INC.
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TYPE 10MP4

TYPICAL OPERATING CONDITIONS

Anode Voltage (dc) .................. 9,000 volts
Grid Voltage for Cut-Off (dc) ....... -27 to -63 volts

MAXIMUM CIRCUIT VALUES

Grid #1 Circuit Resistance ............... 1.5 megohms