PICTURE TUBE

RECTANGULAR GLASS TYPE
LOW-VOLTAGE ELECTROSTATIC FOCUS
ALUMINIZED SCREEN
MAGNETIC DEFLECTION

Intended for use in equipment having series heater-string arrangement

DATA

General:
Heater, for Unipotential Cathode:
Voltage........................................... 6.3 ac or dc volts
Current........................................... 0.6 ± 5% amp
Warm-up time (Average)...................... 11 sec

For definition of heater warm-up time and method of determining it, see sheet HEATER WARN-UP TIME MEASUREMENT at front of Receiving Tube Section.

Capacitance between External Conductive Coating and Ultron.................................... 1500 max. µµf
........................................................................ 1000 min. µµf

Faceplate, Spherical............................................. Filterglass
Phosphor (for curves, see front of this section).................................................. P4—Sulfide Type Aluminized

Deflection Angles (Approx.):
Diagonal............................................. 110°
Horizontal........................................... 105°
Vertical.............................................. 87°

Electron Gun............................................. Type Requiring No Ion-Trap Magnet

Tube Dimensions:
Overall length...................................... 12-5/16" ± 5/16"
Greatest width...................................... 15-5/8" ± 1/8"
Greatest height..................................... 12-3/4" ± 1/8"
Diagonal............................................. 16-9/16" ± 1/8"
Neck length......................................... 5-3/16" ± 3/16"
Radius of curvature of faceplate (External surface).................................................. 20-3/4"

Screen Dimensions (Minimum):
Greatest width...................................... 14-3/4"
Greatest height..................................... 11-11/16"
Diagonal............................................. 15-3/4"
Projected area...................................... 155 sq. in.

Operating Position........................................ Any
Cap.................................................. Recessed Small Cavity (JETEC No.J1-21)
Base.................................................. Special (JETEC No.B6-185)
Basing Designation for BOTTOM VIEW.............. 7FA

Pin 2—Cathode
Pin 3—Heater
Pin 4—Heater
Pin 5—Grid No.1
Pin 6—Grid No.4
Pin 7—Grid No.2

Cap—Ultror
(.Grid No.3, Collector)
C—External
Conductive
Coating

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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Maximum Ratings, Design-Center Values:

ULTOR VOLTAGE: ................................ 16000 max. volts
GRID-No.4 (FOCUSBNG) VOLTAGE:
  Positive value .................................. 1000 max. volts
  Negative value .................................. 500 max. volts
GRID-No.2 VOLTAGE: ................................. 500 max. volts
GRID-No.1 VOLTAGE:
  Negative-peak value ......................... 200 max. volts
  Negative-bias value .......................... 140 max. volts
  Positive-bias value .......................... 0 max. volts
  Positive-peak value .......................... 2 max. volts

PEAK HEATER-CATHODE VOLTAGE:
  Heater negative with respect to cathode:
    During equipment warm-up period
    not exceeding 15 seconds .................. 410 max. volts
    After equipment warm-up period .......... 180 max. volts
    Heater positive with respect to cathode. 180 max. volts

Maximum Circuit Values:
Grid-No.1-Circuit Resistance ................ 1.5 max. megohms

For X-ray shielding considerations, see sheet X-RAY PRECAUTIONS FOR CATHODE-RAY TUBES at front of this Section