



2IMP4

PICTURE TUBE

RECTANGULAR METAL-SHELL TYPE

LOW-VOLTAGE ELECTROSTATIC FOCUS

MAGNETIC DEFLECTION

DATA

General:

Heater, for Unipotential Cathode:

Voltage. 6.3 ac or dc volts

Current. $0.6 \pm 10\%$ amp

Faceplate, Spherical Frosted Filterglass

Phosphor (For curves, see front of this section) . P4—Sulfide Type

Deflection Angles (Approx.):

Diagonal 70° Horizontal 66° Vertical 50° Electron Gun Ion-Trap Type Requiring
External Single-Field Magnet

Tube Dimensions:

Maximum overall length $22\text{--}5\frac{7}{8}"$ Greatest width at lip. $19\text{--}23\frac{3}{32}" \pm \frac{1}{8}"$ Greatest height at lip $15\text{--}5\frac{1}{16}" \pm \frac{1}{8}"$ Diagonal at lip. $20\text{--}3\frac{1}{4}" \pm \frac{1}{4}"$ Neck length. $7\text{--}1\frac{1}{2}" \pm \frac{3}{16}"$ Radius of curvature of faceplate (External surface). . $33"$

Screen Dimensions (Minimum):

Greatest width $18\text{--}1\frac{7}{8}"$ Greatest height. $13\text{--}11\frac{1}{16}"$ Diagonal $19\text{--}1\frac{7}{8}"$

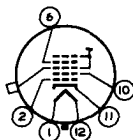
Operating Position Any

Ultor Terminal Metal-Shell Lip

Base . . Small-Shell Duodecal 6-Pin (JETEC Group 4, No.B6-63)

Basing Designation for BOTTOM VIEW 12M

- Pin 1—Heater
Pin 2—Grid No.1
Pin 6—Grid No.4
Pin 10—Grid No.2
Pin 11—Cathode
Pin 12—Heater



Metal-Shell Lip -
Ultor
(Grid No.3,
Grid No.5,
Collector)

Maximum Ratings, Design-Center Values:

ULTOR VOLTAGE. 16000 max. volts

GRID-No.4 (FOCUSING) VOLTAGE:

Positive value 1000 max. volts

Negative value 500 max. volts

GRID-No.2 VOLTAGE. 500 max. volts

GRID-No.1 VOLTAGE:

Negative-bias value. 125 max. volts

Positive-bias value. 0 max. volts

Positive-peak value. 2 max. volts

← Indicates a change.



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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*