



2IMP4

PICTURE TUBE

RECTANGULAR METAL-SHELL TYPE

LOW-VOLTAGE ELECTROSTATIC FOCUS

MAGNETIC DEFLECTION

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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 22-5/8"

Greatest width at lip 19-23/32" $\pm 1/8$ "

Greatest height at lip 15-5/16" $\pm 1/8$ "

Diagonal at lip 20-3/4" $\pm 1/4$ "

Neck length 7-1/2" $\pm 3/16$ "

Radius of curvature of faceplate (External surface) . . 33"

Screen Dimensions (Minimum):

Greatest width 18-1/8"

Greatest height 13-11/16"

Diagonal 19-1/8"

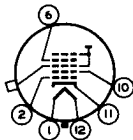
Operating Position Any

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*