



2IMP4

# 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 . . . . .  $70^\circ$ Horizontal . . . . .  $66^\circ$ Vertical . . . . .  $50^\circ$ 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"

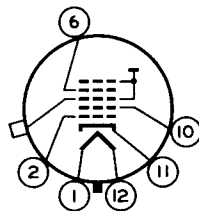
Operating Position . . . . . Any

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.

2IMP4



2IMP4

## PICTURE TUBE

### 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*