



21WP4
21WP4-A

21WP4, 21WP4-A PICTURE TUBES

RECTANGULAR GLASS TYPES

MAGNETIC FOCUS

MAGNETIC DEFLECTION

DATA

General:

Heater, for Unipotential Cathode:

Voltage. 6.3 ac or dc volts

Current. $0.6 \pm 10\%$ amp

Capacitance between External Conductive

Coating and Ultor. $\begin{cases} 750 \text{ max.} & \mu\text{f} \\ 500 \text{ min.} & \mu\text{f} \end{cases}$

Faceplate, Spherical Filterglass

Phosphor (for curves,
see front of this
section).

Type 21WP4

P4—Sulfide Type

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P4—Sulfide Type
Aluminized

Deflection Angles (Approx.):

Diagonal 70°

Horizontal 66°

Vertical 50°

Electron Gun Ion-Trap Type Requiring
External Single-Field Magnet

Tube Dimensions:

Overall length $22-7/16" \pm 3/8"$

Greatest width $18-11/16" \pm 1/8"$

Greatest height $14-15/16" \pm 1/8"$

Diagonal $20-5/8" \pm 3/16"$

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

Radius of curvature of faceplate (External surface). $40"$

Screen Dimensions (Minimum):

Greatest width $17-3/8"$

Greatest height $13-5/8"$

Diagonal $19-1/2"$

Projected area 224 sq. in.

Operating Position Any

Cap. Recessed Small Cavity (JEDEC No. J1-21)

Base . . Small-Shell Duodecal 5-Pin (JEDEC Group 4, No. B5-57)

Basing Designation for BOTTOM VIEW 12N

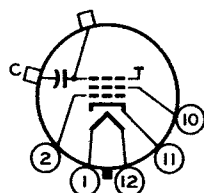
Pin 1—Heater

Pin 2—Grid No.1

Pin 10—Grid No.2

Pin 11—Cathode

Pin 12—Heater



Cap—Ultor

(Grid No.3,
Collector)

C—External
Conductive
Coating

Maximum Ratings, Design-Center Values:

ULTOR VOLTAGE. 18000 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

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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*