



21FP4-A
21FP4-C

21FP4-A, 21FP4-C PICTURE TUBES

RECTANGULAR GLASS TYPES

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

Capacitance between External Conductive Coating and Ultor $\begin{cases} 750 \text{ max.} \\ 500 \text{ min.} \end{cases} \begin{matrix} \mu\mu\text{f} \\ \mu\mu\text{f} \end{matrix}$

Faceplate, Cylindrical Filterglass

Phosphor (For curves, see front of this Section).

Type 21FP4-A	Type 21FP4-C
P4—Sulfide Type	P4—Sulfide Type Aluminized

Deflection Angles (Approx.):

Diagonal 70°

Horizontal 65°

Vertical 50°

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

Tube Dimensions:

Overall length $23" \pm 3/8"$

Greatest width $20-1/4" \pm 1/8"$

Greatest height. $15-9/16" \pm 1/8"$

Diagonal $21-7/32" \pm 1/8"$

Neck length. $7-15/32" \pm 3/16"$

Radius of curvature of faceplate (External horizontal surface). $35"$

Screen Dimensions (Minimum):

Greatest width $19-1/8"$

Greatest height. $13-7/8"$

Diagonal $20-1/16"$

Projected area 238 sq. in.

Operating Position Any

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

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

Basing Designation for BOTTOM VIEW 12L

Pin 1—Heater

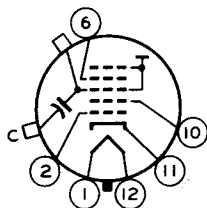
Pin 2—Grid No.1

Pin 6—Grid No.4

Pin 10—Grid No.2

Pin 11—Cathode

Pin 12—Heater



Cap—Ultor

(Grid No.3,
Grid No.5,
Collector)

C—External
Conductive
Coating

Maximum Ratings, Design-Center Values:

ULTOR VOLTAGE. 18000 max. volts

GRID—No.4 (FOCUSING) VOLTAGE:

Positive value 1000 max. volts

Negative value 500 max. volts

← Indicates a change.

2IFP4-A
2IFP4-C



2IFP4-A, 2IFP4-C

PICTURE TUBES

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