



8DP4

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PICTURE TUBE

SMALL, COMPACT, RECTANGULAR GLASS 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

Capacitance between External Conduc-

tive Coating and Ultor $\begin{cases} 350 \text{ max.} & \mu\mu\text{f} \\ 250 \text{ min.} & \mu\mu\text{f} \end{cases}$

Faceplate, Spherical Filterglass

Phosphor (For Curves, see front of this Section) . P4—Sulfide Type

Deflection Angles (Approx.):

Diagonal 90° Horizontal 85° Vertical 68° Electron Gun Ion-Trap Type Requiring External
Single-Field Magnet

Tube Dimensions:

Overall length $10-7/16" \pm 5/16"$ Greatest width $7-7/8" + 1/16" - 1/32"$ Greatest height. $6-1/16" + 1/16" - 1/32"$ Diagonal $8-7/16" + 1/16" - 1/32"$ Neck length. $6-1/2" \pm 3/16"$

Radius of curvature of faceplate

(External surface) 27"

Screen Dimensions (Minimum):

Greatest width $7-3/16"$ Greatest height. $5-3/8"$ Diagonal $7-13/16"$

Projected area 35.5 sq. in.

Operating Position Any

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

Base . Dwarf-Shell Duodecal 6-Pin (JETEC Group 4, No. B6-158)

Basing Designation for BOTTOM VIEW 12AB

Pin 1—Heater

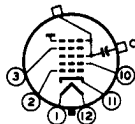
Pin 2—Grid No.1

Pin 3—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. 8000 max. volts

GRID-No.4 (FOCUSING) VOLTAGE:

Positive value 500 max. volts

Negative value 500 max. volts

GRID-No.2 VOLTAGE. 300 max. volts

←Indicates a change.

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GRID-No.1 VOLTAGE:

Negative-peak value.	130 max.	volts
Negative-bias value.	100 max.	volts
Positive-bias value.	0 max.	volts
Positive-peak value.	2 max.	volts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode.	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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