



17BWP4

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PICTURE TUBE

RECTANGULAR GLASS TYPE

ALUMINIZED SCREEN

LOW-VOLTAGE ELECTROSTATIC FOCUS

MAGNETIC DEFLECTION

Intended for use in equipment having series heater-string arrangement

DATA

General:

Heater, for Unipotential Cathode:

Voltage 6.3 ac or dc volts

Current 0.6 ± 5% amp

Warm-up time (Average) 11 sec

For definition of heater warm-up time and method of determining it, see sheet HEATER WARM-UP TIME MEASUREMENT at front of Receiving Tube Section.

Capacitance between External Conductive Coating and Ultor { 1500 max. μμf / 1000 min. μμf

Faceplate, Spherical Filterglass

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

Deflection Angles (Approx.):

Diagonal 110°

Horizontal 105°

Vertical 87°

Electron Gun Type Requiring No Ion-Trap Magnet

Tube Dimensions:

Overall length 12-5/16" ± 5/16"

Greatest width 15-5/8" ± 1/8"

Greatest height 12-3/4" ± 1/8"

Diagonal 16-9/16" ± 1/8"

Neck length 5-3/16" ± 3/16"

Radius of curvature of faceplate (External surface) 20-3/4"

Screen Dimensions (Minimum):

Greatest width 14-3/4"

Greatest height 11-11/16"

Diagonal 15-3/4"

Projected area 155 sq. in.

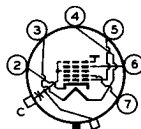
Operating Position Any

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

Base Special (JETEC No. B6-185)

Basing Designation for BOTTOM VIEW 7FA

- Pin 2 - Cathode
Pin 3 - Heater
Pin 4 - Heater
Pin 5 - Grid No. 1
Pin 6 - Grid No. 4
Pin 7 - Grid No. 2



- Cap - Ultor (Grid No. 3, Grid No. 5, Collector)
C - External Conductive Coating

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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-peak value.	200 max.	volts
Negative-bias value.	140 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*