



17BVP4

17BVP4 PICTURE TUBE

RECTANGULAR GLASS TYPE

ALUMINIZED SCREEN

LOW-VOLTAGE ELECTROSTATIC FOCUS

MAGNETIC DEFLECTION

*With heater having controlled warm-up time***DATA****General:**

Heater, for Unipotential Cathode:

Voltage (AC or DC)	6.3	volts
Current	0.6 ± 5%	amp
Warm-up time (Average)	11	sec

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. Ion-Trap Type Requiring
External Single-Field Magnet

Tube Dimensions:

Overall length.	13-1/4" ± 5/16"
Greatest width.	15-5/8" ± 1/8"
Greatest height	12-3/4" ± 1/8"
Diagonal.	16-9/16" ± 1/8"
Neck length	6-1/8" ± 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.

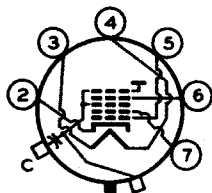
Operating Position. Any

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

Base. Special (JEDEC 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

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

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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

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