



17BWP4

17BWP4

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. $0.6 \pm 5\%$ 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 Conduc-

tive Coating and Ultor	{	1500 max. μf
	{	1000 min. μf

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 $12\text{--}5/16" \pm 5/16"$ Greatest width $15\text{--}5/8" \pm 1/8"$ Greatest height. $12\text{--}3/4" \pm 1/8"$ Diagonal $16\text{--}9/16" \pm 1/8"$ Neck length. $5\text{--}3/16" \pm 3/16"$

Radius of curvature of

faceplate (External surface) $20\text{--}3/4"$

Screen Dimensions (Minimum):

Greatest width $14\text{--}3/4"$ Greatest height. $11\text{--}11/16"$ Diagonal $15\text{--}3/4"$

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

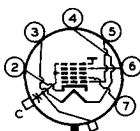
Pin 3—Heater

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



17BWP4

PICTURE TUBE

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
--	----------	---------

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