

# 16AYP4

## Picture Tube

RECTANGULAR GLASS TYPE  
LOW-VOLTAGE ELECTROSTATIC FOCUS

ALUMINIZED SCREEN  
114° MAGNETIC DEFLECTION

### GENERAL DATA

#### Electrical:

Direct Interelectrode Capacitances:

|                                                |                         |            |
|------------------------------------------------|-------------------------|------------|
| Cathode to all other electrodes. . . . .       | 5                       | pf         |
| Grid No.1 to all other electrodes. . . . .     | 6                       | pf         |
| External conductive coating to anode . . . . . | { 1300 max.<br>800 min. | { pf<br>pf |

|                                        |                                   |         |
|----------------------------------------|-----------------------------------|---------|
| Heater Current at 6.3 volts. . . . .   | 450 ± 20                          | ma      |
| Heater Warm-Up Time (Average). . . . . | 11                                | seconds |
| Electron Gun . . . . .                 | Type Requiring No Ion-Trap Magnet |         |

#### Optical:

|                                                           |                                |
|-----------------------------------------------------------|--------------------------------|
| Phosphor (For curves, see front of this Section). . . . . | P4—Sulfide Type,<br>Aluminized |
| Faceplate. . . . .                                        | Filterglass                    |
| Light transmission (Approx.) . . . . .                    | 78%                            |

#### Mechanical:

|                                    |                |
|------------------------------------|----------------|
| Weight (Approx.) . . . . .         | 8-1/2 lbs      |
| Overall Length . . . . .           | 10-1/4" ± 1/4" |
| Neck Length. . . . .               | 4-1/8" ± 1/8"  |
| Projected Area of Screen . . . . . | 125 sq. in.    |
| External Conductive Coating:       |                |

|                                      |                     |
|--------------------------------------|---------------------|
| Type . . . . .                       | Regular-Band        |
| Contact area for grounding . . . . . | Near Reference Line |

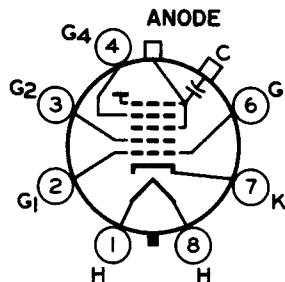
For Additional Information on Coatings and Dimensions:

See *Picture-Tube Dimensional-Outlines and Bulb J125 C2* sheets  
at front of this section

|                |                                                                     |
|----------------|---------------------------------------------------------------------|
| Cap. . . . .   | Recessed Small Cavity (JEDEC No. J1-21)                             |
| Base . . . . . | Small-Button Neoeightar 7-Pin, Arrangement 1,<br>(JEDEC No. B7-208) |

Basing Designation for BOTTOM VIEW . . . . . 8HR

- Pin 1 - Heater
- Pin 2 - Grid No.1
- Pin 3 - Grid No.2
- Pin 4 - Grid No.4
- Pin 6 - Grid No.1
- Pin 7 - Cathode
- Pin 8 - Heater



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

#### Maximum and Minimum Ratings, Design-Maximum Values:

*Unless otherwise specified, voltage values are positive with respect to cathode*

|                        |                            |                  |
|------------------------|----------------------------|------------------|
| ANODE VOLTAGE. . . . . | { 20000 max.<br>12000 min. | { volts<br>volts |
|------------------------|----------------------------|------------------|



RADIO CORPORATION OF AMERICA  
Electron Tube Division  
Harrison, N. J.

DATA  
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