

Picture Tube

NO ION-TRAP MAGNET REQUIRED

RECTANGULAR GLASS TYPE
LOW-VOLTAGE ELECTROSTATIC FOCUSALUMINIZED SCREEN
110° MAGNETIC DEFLECTION**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	{ 2500 max. 1700 min.	pf
Heater Current at 6.3 volts	600 ± 30	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, Aluminized
Faceplate	Filterglass

Light transmission (Approx.) 74%

Mechanical:

Weight (Approx.)	26-1/2 lbs
Overall Length	14.812" ± .312"
Neck Length	4.375" ± .125"
Projected Area of Screen	332 sq. in.
External Conductive Coating:	

Type	Modified-Band
Contact area for grounding	Near Reference Line

For Additional Information on Coatings and Dimensions:

See Picture-Tube Dimensional-Outlines and Bulb J192 C/D sheets at front of this section.

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

Base Small-Button Neoeightar 7-Pin,
Arrangement 1, (JEDEC No.B7-208)

Basing Designation for BOTTOM VIEW 8KW

Pin 1-Heater

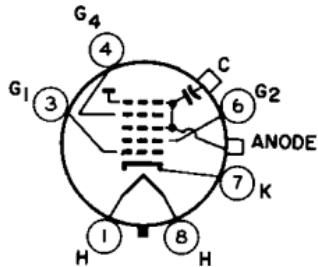
Pin 3-Grid No.1

Pin 4-Grid No.4

Pin 6-Grid No.2

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. volts

Grid-No.4 (Focusing) Voltage:

Positive value 1100 max. volts

Negative value 550 max. volts

RADIO CORPORATION OF AMERICA
Electronic Components and Devices

Harrison, N. J.

DATA

10-64

24BEP4

Grid-No.2 Voltage. 550 max. volts

Grid-No.1 Voltage:

Negative peak value. 220 max. volts

Negative bias value. 154 max. volts

Positive bias value. 0 max. volts

Positive peak value. 2 max. volts

Heater Voltage { 6.9 max. volts
5.7 min. volts

Peak Heater-Cathode Voltage:

Heater negative with respect to cathode:

During equipment warm-up period

not exceeding 15 seconds 450 max. volts

After equipment warm-up period 200 max. volts

Heater positive with respect to cathode . . . 200 max. volts

Typical Operating Conditions for Cathode-Drive Service:

*Unless otherwise specified, voltage values
are positive with respect to grid No.1*

Anode Voltage. 16000 volts

Grid-No.4 Voltage. 200 volts

Grid-No.2 Voltage. 400 volts

Cathode Voltage for
visual extinction of
focused raster 42 to 78 volts

Maximum Circuit Value:

Grid-No.1 Circuit Resistance. 1.5 max. megohms

For X-radiation shielding considerations, see sheet

X-RADIATION PRECAUTIONS FOR CATHODE-RAY TUBES

At front of this section

