

Monitor Kinescope

NO ION-TRAP MAGNET REQUIRED

RECTANGULAR GLASS TYPE

ALUMINIZED SCREEN

WITH INTEGRAL PROTECTIVE WINDOW

90° MAGNETIC DEFLECTION

LOW-VOLTAGE ELECTROSTATIC FOCUS

Electrical:

Direct Interelectrode Capacitances:

Cathode to all other electrodes.	5	pf
Grid No.1 to all other electrodes.	6	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 and Integral Protective Window	Filterglass
Light transmission at center (Approx.)	60%

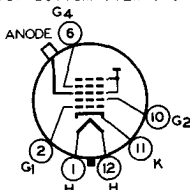
Mechanical:

Weight (Approx.)	3-1/4 lbs
Overall Length	9.94"±.19"
Neck Length.	5.81"±.12"
Projected Area of Screen	36 sq.in.
External Conductive Coating.	None
For Additional Information on Dimensions:	

See *Bulb J67-1/2A* sheets at front of this Section

Integral Protective Window	FP67-1/2-800, or equivalent
Cap.	Recessed Small Cavity (JEDEC No.J1-21)
Base . .	Small-Shell Duodecal 6-Pin (JEDEC Group 4, No.B6-63)
Basing Designation for BOTTOM VIEW	12M

- Pin 1—Heater
Pin 2—Grid No.1
Pin 6—Grid No.4
Pin 10—Grid No.2
Pin 11—Cathode
Pin 12—Heater



Cap—Anode
(Grid No.3,
Grid No.5,
Screen
Collector)

Maximum and Minimum Ratings, Design-Maximum Values:

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

Anode Voltage	22000 max.	volts
Grid-No.4 Voltage:		
Positive value.	1100 max.	volts
Negative value.	550 max.	volts
Grid-No.2 Voltage	{ 550 max. 200 min.	volts



8QP4

Grid-No.1 Voltage:

Negative peak value.	220 max.	volts
Negative bias value.	155 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:

Combined AC and DC Voltage 200 max. volts

DC Component 100 max. volts

Typical Operating Conditions for Grid-Drive Service:

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

Anode Voltage.	16000	volts
Grid-No.4 Voltage ^a	200	volts
Grid-No.2 Voltage	300	volts
Grid-No.1 Voltage for visual extinction of focused raster	-28 to -72	volts

Maximum Circuit Value:

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

^a The grid-No.4 voltage required for optimum focus of any individual tube will have a value anywhere between 0 and +400 volts.

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

