Monitor Kinescope

NO ION-TRAP MAGNET REQUIRED

RECTANGULAR GLASS TYPE — ALUMINIZED SCREEN
WITH INTEGRAL PROTECTIVE WINDOW — 90° MAGNETIC DEFLECTION
LOW-VOLTAGE ELECTROSTATIC FOCUS

Electrical:

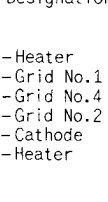
Direct Interelectrode Capacitances:		
Cathode to all other electrodes	5	pf
Grid No.1 to all other electrodes	6	pf
Heater Current at 6.3 volts	600 ±30	ma
Heater Warm-up Time (Average)	11	seconds
Electron Gun	Type Requiring No Ion-Trap Magnet	

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 volts

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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. 5.7 min.	volts 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