

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 WindowFilterglass
 Light transmission at center (Approx.) 60%

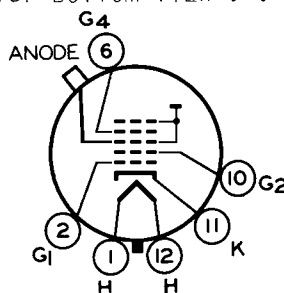
Mechanical:

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.	volts
	{ 200 min.	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. 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
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^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