



TYPE 3AKP-A CATHODE-RAY TUBE

TENTATIVE

RATINGS (Design Center Values)

Heater Voltage	6.3	Volts
Heater Current at 6.3 Volts	0.3 ± 10%	Ampere
Accelerator Voltage	9,000	Max. Volts DC
Accelerator Input	6	Max. Watts
Focusing Electrode Voltage	-500 to +1,000	Max. Volts DC
Grid #2 Voltage	500	Max. Volts DC
Grid #1 Voltage		
Negative Bias Value	150	Max. Volts DC
Positive Bias Value	0	Max. Volts DC
Positive Peak Value	0	Max. Volts
Peak Heater-Cathode Voltage		
Heater Negative with respect to cathode	180	Max. Volts
Heater Positive with respect to cathode	180	Max. Volts

TYPICAL OPERATING CONDITIONS

Accelerator Voltage	7,000	Volts DC
Focusing Electrode Voltage ¹	-105 to +250	Volts DC
Grid #2 Voltage	300	Volts DC
Grid #1 Voltage ²	-45 to -95	Volts DC
Modulation ³	33	Volts Max.
Line Width A ³	0.011	Inch Max.
Focusing Electrode Current for any operating condition	-15 to +15	Microamperes

MAXIMUM CIRCUIT VALUES

Grid #1 Circuit Resistance	1.5	Max. Megohms
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NOTES

1. With the Grid #1 bias voltage adjusted to give an accelerator current of 50 microamperes on a 2 x 2-inch raster pattern.
2. Visual extinction of undeflected focused spot.
3. Measured in accordance with MIL-E-1 specifications with an accelerator current of 50 microamperes.

