Beam Power Tube

With Heater Having Controlled Warm-Up Time

GENERAL DATA

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	Electrical:
	Heater, for Unipotential Cathode: Voltage (AC or DC)
	Characteristics, Class A Amplifier:
	Plate Voltage
	Grid-No.2 Current
	Mechanical:
^	Operating Position
	Basing Designation for BOTTOM VIEW 8JX
	Pin 2-Heater Pin 3-Cathode, Grid No.3 Pin 4-Grid No.2 Pin 5-Grid No.1 Pin 7-Heater Pin 8-Grid No.2 Cap-Plate

HORIZONTAL-DEFLECTION AMPLIFIER

Maximum Ratings, Design-Maximum Values:

For operation in a 525-line, 30-frame system ^c					
DC PLATE VOLTAGE	770	max.	volts		
PEAK POSITIVE-PULSE PLATE VOLTAGE	6500	max.	volts		
PEAK NEGATIVE-PULSE PLATE VOLTAGE	1500	max.	volts		
DC GRID-No. 2 (SCREEN-GRID) VOLTAGE	220	max.	volts		
PEAK NEGATIVE-PULSE GRID-No.1 VOLTAGE	330	max.	volts		
CATHODE CURRENT:					
Peak	550	max.	ma		
Average	175	max.	ma		
GRID-No.2 INPUT	4.5	max.	watts		
PLATE DISSIPATION	17.5	max.	watts		
PEAK HEATER-CATHODE VOLTAGE:					
Heater negative with					
respect to cathode	200	max.	volts		
Heater positive with	_				
respect to cathode	200†	max.	volts		
BULB TEMPERATURE (At hottest point					
on bulb surface)	220	max.	οС		
Maximum Circuit Values:					
Grid-No.1-Circuit Resistance	1	max.	megohm		
	_	max.	megoriii		

Without external shield.

This value can be measured by a method involving a recurrent wave form such that the maximum ratings of the tube will not be exceeded.

As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.

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This rating is applicable where the duration of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.

 $^{^{\}mbox{\scriptsize e}}$ An adequate bias resistor or other means is required to protect the tube in the absence of excitation.

f The dc component must not exceed 100 volts.