



6CK4

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LOW-MU TRIODE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage (AC or DC)	6.3 ± 10%	volts
Current	1.25	amp

Direct Interelectrode Capacitances

(Approx.):^o

Grid to plate	6.5	μf
Grid to cathode and heater.	8	μf
Plate to cathode and heater	1.8	μf

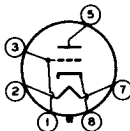
Characteristics, Class A₁ Amplifier:

Plate Voltage	100	250	volts
Grid Voltage.	0	-28	volts
Amplification Factor.	-	6.6	
Plate Resistance (Approx.).	-	1200	ohms
Transconductance.	-	5500	μmhos
Plate Current	125*	40	ma
Plate Current for grid volts = -38.	-	10	ma
Grid Voltage (Approx.) for plate ma. = 0.5	-	-50	volts

Mechanical:

Operating Position.	Any
Maximum Overall Length.	3-7/16"
Maximum Seated Length	2-7/8"
Maximum Diameter.	1-9/32"
Dimensional Outline	See General Section
Bulb.	T9
Base.	Short Intermediate-Shell Octal 6-Pin with External Barriers, Arrangement 1 (JEDEC Group 1, No. B6-60)
Basing Designation for BOTTOM VIEW.	8JB

Pin 1 - Grid
 Pin 2 - Heater
 Pin 3 - Grid



Pin 5 - Plate
 Pin 7 - Heater
 Pin 8 - Cathode

VERTICAL-DEFLECTION AMPLIFIER

Maximum Ratings, Design-Maximum Values:

For operation in a 525-line, 30-frame system[□]

DC PLATE VOLTAGE.	550	max.	volts
PEAK POSITIVE-PULSE PLATE VOLTAGE*.	2000	max.	volts
PEAK NEGATIVE-PULSE GRID VOLTAGE.	250	max.	volts
CATHODE CURRENT:			
Peak.	350	max.	ma
Average	100	max.	ma

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PLATE DISSIPATION. 12 max. watts
PEAK HEATER-CATHODE VOLTAGE:
Heater negative with respect to cathode. . 200 max. volts
Heater positive with respect to cathode. . 200[▲] max. volts

Maximum Circuit Values:

Grid-Circuit Resistance:
For cathode-bias operation. 2.2 max. megohms

- 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.
- # This rating is applicable when the duration of the voltage pulse does not exceed 15 per cent of one vertical scanning cycle. In a 525-line, 30-frame system, 15 per cent of one vertical scanning cycle is 2.5 milliseconds.
- ▲ The dc component must not exceed 100 volts.