



6CK4

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LOW-MU TRIODE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage (AC or DC)	6.3 $\pm$ 10%	volts
Current	1.25	amp

Direct Interelectrode Capacitances
(Approx.):^o

Grid to plate	6.5	$\mu\mu\text{f}$
Grid to cathode and heater.	8	$\mu\mu\text{f}$
Plate to cathode and heater	1.8	$\mu\mu\text{f}$

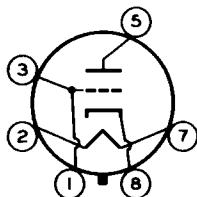
Characteristics, Class A₁ Amplifier:

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.