

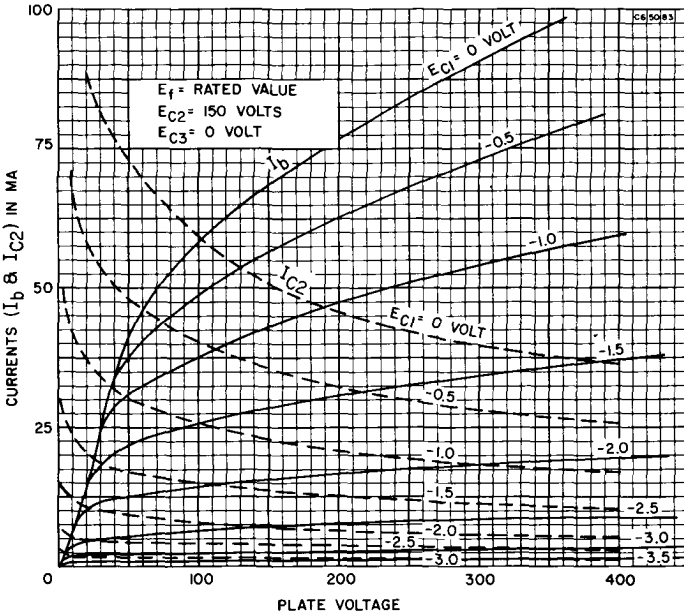
INSTANTANEOUS PLATE KNEE CHARACTERISTICS⁽¹⁾

$E_b = 50$ V, $E_{c2} = 100$ V, and $E_{c1} = 0$ V
 $I_b = 25$ Ma, and $I_{c2} = 25$ Ma

NOTE:

(1) Applied for short interval (2 Sec. Max.) so as not to damage tube.

AVERAGE PLATE CHARACTERISTICS

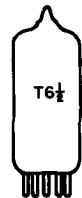
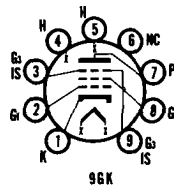


9KX6

Color Television Type
VIDEO AMPLIFIER

Sharp Cutoff Pentode

Construction Miniature T-6½
 Base Button 9 Pin, E9-1
 Basing 9GK
 Outline 6-3
 Maximum Diameter 0.875 In.
 Maximum Seated Height 2.375 In.
 Maximum Overall Height 2.625 In.



ELECTRICAL DATA

HEATER OPERATION

Heater Voltage
 Heater Current
 Heater Warm-up Time
 Maximum Heater-Cathode Voltage
 Heater Negative with Respect to Cathode
 Total DC and Peak
 Heater Positive with Respect to Cathode
 DC
 Total DC and Peak

8.7 Volts
 450 Ma
 11 Seconds

200 Volts

100 Volts

200 Volts

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

Grid No. 1 to Plate (g1 to p)
 Input: g1 to (k + g3 + IS + g2 + h)
 Output: p to (k + g3 + IS + g2 + h)

0.12 Pf

17.5 Pf

4.0 Pf

RATINGS (Design Maximum Rating System)

Plate Voltage (Max.)	400 Volts
Positive DC Grid No. 3 Voltage (Max.)	0 Volt
Grid No. 2 Supply Voltage (Max.)	330 Volts
Grid No. 2 Voltage	See Rating Chart (Gen. Info. Sec.)
Positive DC Grid No. 1 Voltage (Max.)	0 Volt
Plate Dissipation (Max.)	11.5 Watts
Grid No. 2 Dissipation (Max.)	1.5 Watt
Grid No. 1 Circuit Resistance	
Fixed Bias (Max.)	0.1 Megohm
Cathode Bias (Max.)	0.25 Megohm

Control grid to cathode spacing on this type is of such low order of magnitude as to preclude the use of voltage between these elements of more than 50 Volts DC or peak AC in commercial tube checkers and shorts indicating devices, particularly where mechanical excitation of the tube is employed.

CHARACTERISTICS AND TYPICAL OPERATION

Plate Voltage	250 Volts
Grid No. 2 Supply Voltage	150 Volts
Grid No. 1 Voltage	0 Volt
Grid No. 3 Voltage (Referred to Negative End of Rk)	0 Volt
Cathode Resistor (Bypassed)	56 Ohms
Plate Current	28 Ma
Grid No. 2 Current	6.5 Ma
Transconductance (Grid No. 1 to Plate)	36,000 μ mhos
Plate Resistance (Approx.)	50,000 Ohms
Grid No. 1 Voltage, Approx. for $I_b = 100 \mu$ a	-5.7 Volts

INSTANTANEOUS PLATE KNEE CHARACTERISTICS

$E_b = 50$ V, $E_{c2} = 125$ V, $E_{c1} = 0$ V, and $E_{c3} = 0$ V
 $I_b = 70$ Ma, and $I_{c2} = 24$ Ma

Color Television Type
VIDEO AMPLIFIER

9LA6**Sharp Cutoff Pentode**

Construction	Miniature T-6½
Base	Button 9 Pin, E9-1
Basing	9GK
Outline	6-3
Maximum Diameter	0.875 In.
Maximum Seated Height	2.375 In.
Maximum Overall Height	2.625 In.

ELECTRICAL DATA**HEATER OPERATION**

Heater Voltage	8.7 Volts
Heater Current	450 Ma
Heater Warm-up Time	11 Seconds
Maximum Heater-Cathode Voltage	
Heater Negative with Respect to Cathode	
Total DC and Peak	200 Volts
Heater Positive with Respect to Cathode	
DC	100 Volts
Total DC and Peak	200 Volts

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

Grid No. 1 to Plate (g1 to p)	0.15 Pf
Input: g1 to (k + g3 + IS + g2 + h)	15.0 Pf
Output: p to (k + g3 + IS + g2 + h)	6.0 Pf

RATINGS (Design Maximum Rating System)

Plate Voltage (Max.)	400 Volts
Positive DC Grid No. 3 Voltage (Max.)	0 Volt
Grid No. 2 Supply Voltage (Max.)	330 Volts
Grid No. 2 Voltage	See Rating Chart (Gen. Info. Sec.)
Positive DC Grid No. 1 Voltage	0 Volt
Plate Dissipation (Max.)	10.0 Watts
Grid No. 2 Dissipation (Max.)	1.0 Watt
Grid No. 1 Circuit Resistance	
Fixed Bias (Max.)	0.1 Megohm
Cathode Bias (Max.)	0.25 Megohm

Control grid to cathode spacing on this type is of such low order of magnitude as to preclude the use of voltage between these elements of more than 50 Volts DC or peak AC in commercial tube checkers and shorts indicating devices, particularly where mechanical excitation of the tube is employed.

