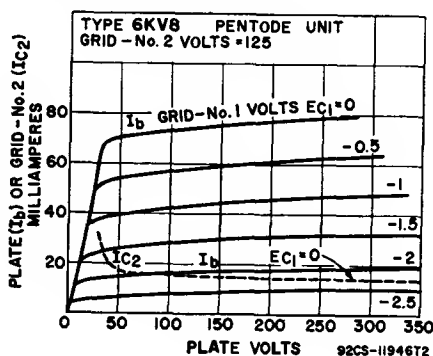


	Triode Unit	Pentode Unit	
Plate Dissipation	1	5	watts
Grid-No.2 Input:			
For grid-No.2 voltages up to 150 volts	—	1	watt
For grid-No.2 voltages between 150 and 300 volts	—	See curve page 98	
CHARACTERISTICS	Triode Unit	Pentode Unit	
Plate Supply Voltage	200	125	200 volts
Grid-No.2 Supply Voltage	—	125	125 volts
Grid-No.1 Supply Voltage	—2	0	0 volts
Cathode-Bias Resistor	—	82	68 ohms
Amplification Factor	70	—	—
Plate Resistance (Approx.)	17500	55000	75000 ohms
Transconductance	4000	21000	23000 μ mhos
Plate Current	4	16.5	20 mA
Grid-No.2 Current	—	3.1	3.5 mA
Grid-No.1 Voltage (Approx.) for plate current of 100 μ A	—4.5	—4.2	—4.2 volts
MAXIMUM CIRCUIT VALUES			
Grid-No.1-Circuit Resistance:			
For fixed-bias operation	0.5	0.1	megohm
For cathode-bias operation	1	0.25	megohm

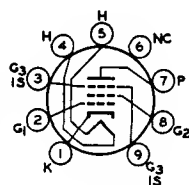


6KY6

7KY6

SHARP-CUTOFF PENTODE

Miniature type with frame grid used as video output amplifier in color and black-and-white television receivers. Outlines section, 6E; requires miniature 9-contact socket. Type 7KY6 is identical with type 6KY6 except for heater ratings.



9GK

	6KY6	7KY6	
Heater Voltage (ac/dc)	6.3	7.3	volts
Heater Current	0.52	0.45	ampere
Heater Warm-up Time	—	11	seconds
Heater-Cathode Voltage:			
Peak value	±200 max	±200 max	volts
Average value	100 max	100 max	volts
Direct Interelectrode Capacitances:			
Grid No.1 to Plate		0.16 max	pF
Grid No.1 to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield		14	pF
Plate to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield		6	pF

Class A₁ Amplifier

MAXIMUM RATINGS (Design-Maximum Values)

Plate Voltage	330	volts
Grid-No.2 (Screen-Grid) Supply Voltage	330	volts

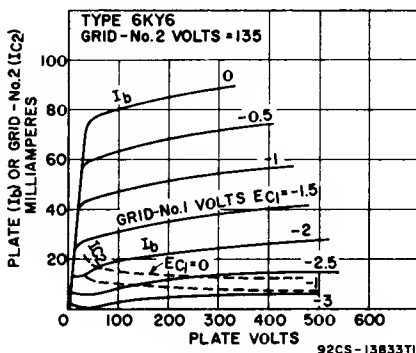
Grid-No.2 Voltage	See curve page 98
Grid-No.1 (Control-Grid) Voltage, Positive-bias value	0 volts
Plate Dissipation	9 watts
Grid-No.2 Input:	
For grid-No.2 voltages up to 165 volts	1 watt
For grid-No.2 voltages between 165 and 330 volts	See curve page 98

CHARACTERISTICS

Plate Supply Voltage	200 volts
Grid-No.3 Voltage	Connected to cathode at socket
Grid-No.2 Supply Voltage	135 volts
Grid-No.1 Supply Voltage	0 volts
Cathode-Bias Resistor	47 ohms
Plate Resistance (Approx.)	40000 ohms
Transconductance	30000 μ mhos
Plate Current	30 mA
Grid-No.2 Current	5.2 mA
Grid-No.1 Voltage (Approx.) for plate current of 100 μ A	-4.5 volts

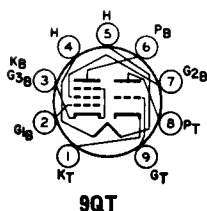
MAXIMUM CIRCUIT VALUES

Grid-No.1-Circuit Resistance:	
For fixed-bias operation	0.1 megohm
For cathode-bias operation	0.25 megohm



Refer to chart at end of section.

6KY8



9QT

HIGH-MU TRIODE— BEAM POWER TUBE

6KY8A

15KY8A

Novar type used in combined vertical-deflection-oscillator and vertical-deflection-amplifier applications in black-and-white television receivers having low-voltage "B" supplies. Outlines section, 30A; requires novar 9-contact socket. Type 15KY8A is identical with type 6KY8A except for heater ratings.

Heater Voltage (ac/dc)	6.3	15	volts
Heater Current	1.1	0.45	amperes
Heater Warm-up Time (Average)	—	11	seconds
Heater Cathode Voltage:			
Peak value	± 200 max	± 200 max	volts
Average value	100 max	100 max	volts
Direct Interelectrode Capacitances (Approx.):			
Triode Unit:			
Grid to Plate	0.44		pF
Grid to Cathode and Heater	15		pF
Plate to Cathode and Heater	7		pF