

TYPICAL OPERATION

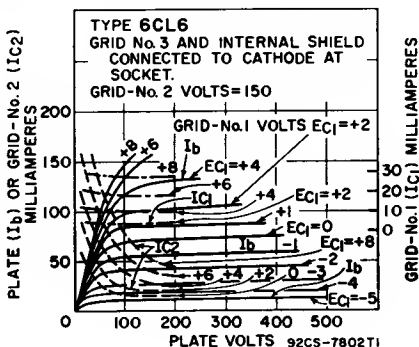
Plate Voltage	250	volts
Grid No.3	Connected to cathode at socket	
Grid-No.2 Voltage	150	volts
Grid-No.1 Voltage	-3	volts
Peak AF Grid-No.1 Voltage	3	volts
Zero-Signal Plate Current	30	mA
Maximum-Signal Plate Current	81	mA
Zero-Signal Grid-No.2 Current	7	mA
Maximum-Signal Grid-No.2 Current	7.2	mA
Plate Resistance (Approx.)	0.09	megohm
Transconductance	11000	μ mhos
Load Resistance	7500	ohms
Total Harmonic Distortion	8	per cent
Maximum-Signal Power Output	2.8	watts
Grid-No.1 Voltage (Approx.) for plate current of 10 μ A	-14	volts

TYPICAL OPERATION IN MHz-BANDWIDTH VIDEO AMPLIFIER

Plate Supply Voltage	300	volts
Grid No.3	Connected to cathode at socket	
Grid-No.2 Supply Voltage	300	volts
Grid-No.1 Bias Voltage	-2	volts
Grid-No.1 Signal Voltage (Peak to Peak)	3	volts
Grid-No.2 Resistor	24000	ohms
Grid-No.1 Resistor	0.1	megohm
Load Resistor	3900	ohms
Zero-Signal Plate Current	30	mA
Zero-Signal Grid-No.2 Current	7	mA
Voltage Output (Peak to Peak)	132	volts

MAXIMUM CIRCUIT VALUES

Grid-No.1 Circuit Resistance:		
For fixed-bias operation	0.1	megohm
For cathode-bias operation	0.5	megohm



Refer to chart at end of section.

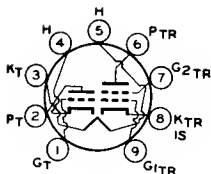
6CL8

MEDIUM-MU TRIODE—
SHARP-CUTOFF TETRODE

6CL8A

5CL8A, 19CL8A

Miniature type used as combined vhf oscillator and mixer in color and black-and-white television receivers. Outlines section, 6B; requires miniature 9-contact socket. For maximum ratings as class A₁ amplifier, see type 6U8A. Types 5CL8A and 19CL8A are identical with type 6CL8A except for heater ratings.



9FX

	5CL8A	6CL8A	19CL8A	
Heater Voltage (ac/dc)	4.7	6.3	18.9	volts
Heater Current	0.6	0.45	0.15	ampere
Heater Warm-up Time (Average)	11	11	11	seconds
Heater-Cathode Voltage:				
Peak value	±200 max	±200 max	±200 max	volts
Average value	100 max	100 max	100 max	volts