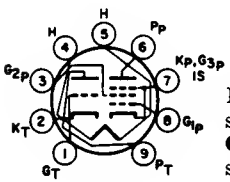
Horizontal-Deflection Amplifier

For operation in a 525-line, 30-frame system

MAXIMUM RATINGS (Design-Maximum Values)		
DC Plate Supply Voltage	770	volts
Peak Positive-Pulse Plate Voltage#	6500	volts
Peak Negative-Pulse Plate Voltage	1500	volts
DC Grid-No.2 (Screen-Grid) Voltage	220	volts
DC Grid-No.1 (Control-Grid) Voltage	—55	volts
Peak Negative-Pulse Grid-No.1 Voltage	330	volts
Peak Cathode Current	550	mA
Average Cathode Current	175	mA
Plate Dissipation•	17.5	watts
Grid-No.2 Input	3.5	watts
Bulb Temperature (At hottest point)	240	°C
MAXIMUM CIRCUIT VALUES		
Grid-No.1-Circuit Resistance, for grid-resistor-bias operation	1	megohm

Pulse duration must not exceed 15% of a horizontal scanning cycle (10 microseconds).

• A bias resistor or other means is required to protect the tube in absence of excitation.



9LZ

HIGH-MU TRIODE—SHARP-CUTOFF PENTODE

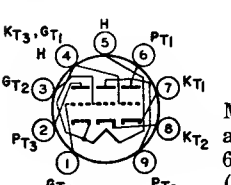
6GW8/ ECL86

Miniature type used in preamplifier and audio output stages of audio equipment and television receivers. **Outlines section,** 6G; requires miniature 9-contact socket. **Heater:** volts (ac/dc), 6.3; amperes, 0.7; maximum heater-cathode volts, 100 peak.

Class A_1 Amplifier

MAXIMUM RATINGS (Design-Center Values)	**Triode Unit**	**Pentode Unit**	
Plate Supply Voltage	550	550	volts
Plate Voltage	300	300	volts
Grid-No.2 (Screen-Grid) Supply Voltage	—	550	volts
Grid-No.2 Voltage	—	300	volts
Grid-No.1 (Control-Grid) Voltage, Negative-bias value	1.3	1.3	volts
Cathode Current	4	55	mA
Plate Dissipation	0.5	9	watts
Grid-No.2 Input	—	1.5	watts
CHARACTERISTICS			
Plate Voltage	250	250	volts
Grid-No.2 Voltage	—	250	volts
Grid-No.1 Voltage	—1.9	—7	volts
Amplification Factor	100	21*	
Plate Resistance (Approx.)	—	45000	ohms
Transconductance	1600	10000	μmhos
Plate Current	1.2	36	mA
Grid-No.2 Current	—	6	mA
MAXIMUM CIRCUIT VALUES			
Grid-No.1-Circuit Resistance, for fixed-bias operation	1	0.5	megohm

* Grid No.2 to grid No.1.



9MB

HIGH-MU TRIPLE TRIODE

6GY8

Miniature type used for rf-amplifier, autodyne mixer, and af-control service in FM receivers. **Outlines section,** 6B; requires miniature 9-contact socket. **Heater:** volts (ac/dc), 6.3; amperes, 0.45; maximum heater cathode volts, ±100.

Class A_1 Amplifier

MAXIMUM RATINGS (Design-Maximum Values, Each Unit)		
Plate Voltage	330	volts
Grid Voltage, Positive-bias value	0	volts
Plate Dissipation (Each unit)	2	watts
Plate Dissipation (All plates)	5	watts