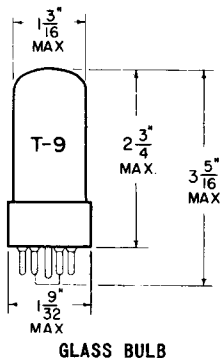


TUNG-SOL

BEAM PENTODE



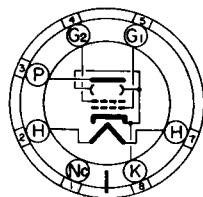
COATED UNIPOTENTIAL CATHODE

HEATER

50 VOLTS 0.15 AMP.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

INTERMEDIATE SHELL
7 PIN OCTAL

7AC

THE 50L6GT IS DESIGNED FOR SERVICE IN THE OUTPUT STAGE OF AC/DC RECEIVERS. IT DELIVERS A HIGH POWER OUTPUT WITH HIGH POWER SENSITIVITY FROM LOW SUPPLY VOLTAGES.

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

| | | |
|---|------|--------|
| HEATER VOLTAGE | 50 | VOLTS |
| MAXIMUM PLATE VOLTAGE | 200 | VOLTS |
| MAXIMUM GRID #2 VOLTAGE | 125 | VOLTS |
| MAXIMUM PLATE DISSIPATION | 10 | WATTS |
| MAXIMUM GRID #2 DISSIPATION | 1.25 | WATTS |
| MAXIMUM GRID #1 CIRCUIT RESISTANCE (FIXED BIAS) | 0.1 | MEGOHM |
| MAXIMUM GRID #1 CIRCUIT RESISTANCE (SELF BIAS) | 0.5 | MEGOHM |
| MAXIMUM HEATER-CATHODE VOLTAGE: ← | | |
| HEATER NEGATIVE WITH RESPECT TO CATHODE | | |
| DC AND PEAK | 200 | VOLTS |
| HEATER POSITIVE WITH RESPECT TO CATHODE | | |
| DC | 100 | VOLTS |
| DC AND PEAK | 200 | VOLTS |

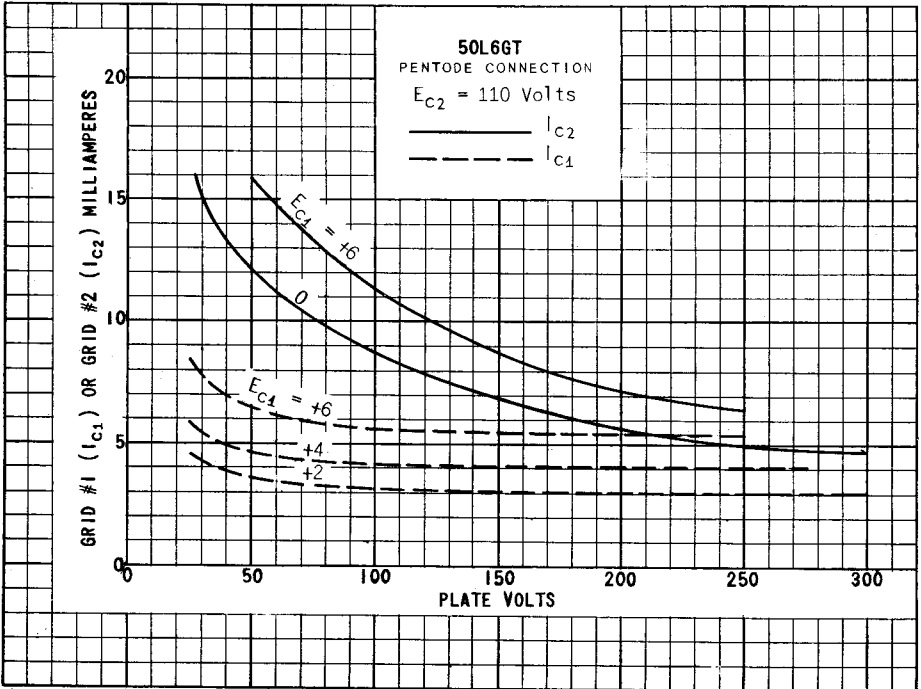
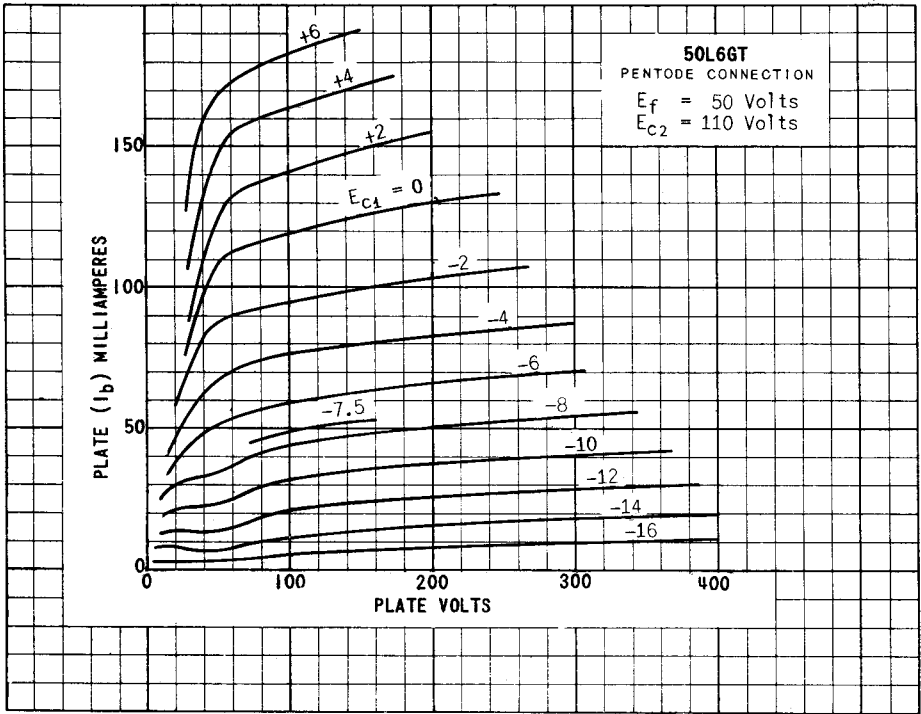
TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

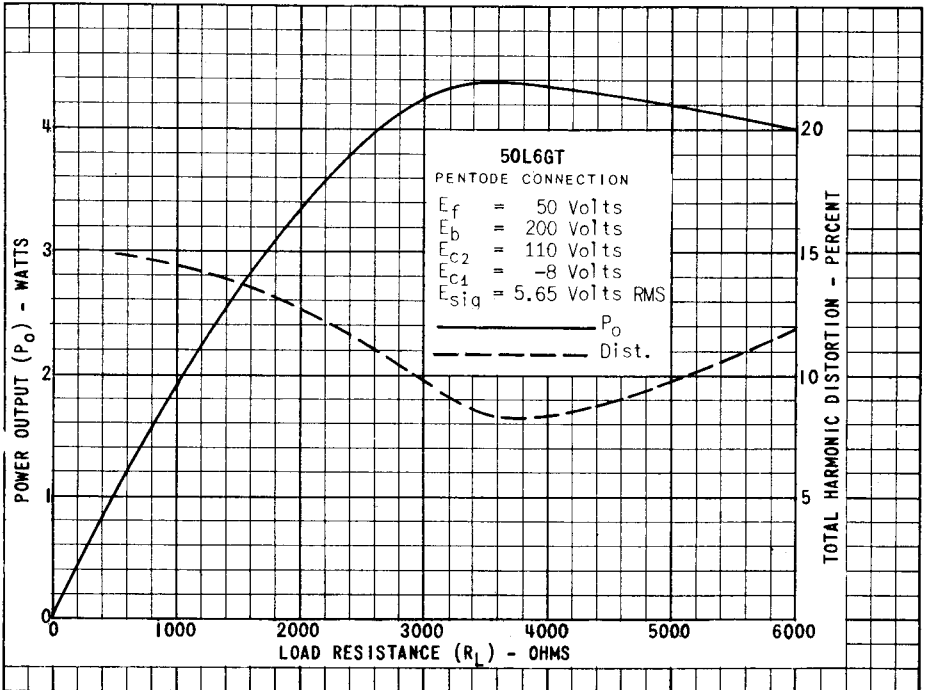
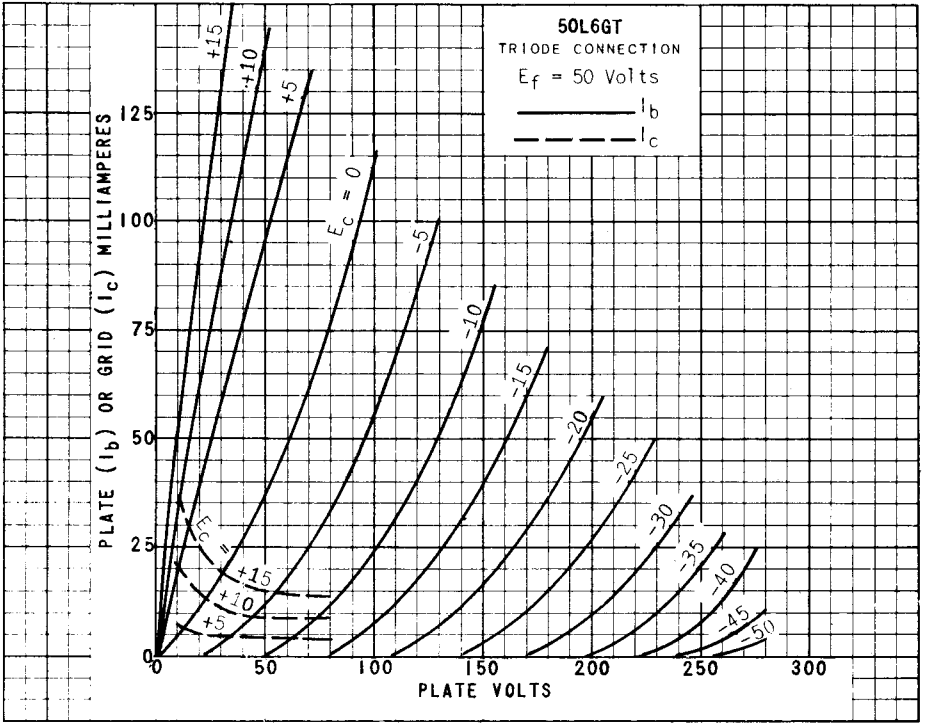
CLASS A₁ AMPLIFIER

| | | | |
|-------------------------------------|--------|--------|---------|
| HEATER VOLTAGE | 50 | 50 | VOLTS |
| HEATER CURRENT | 0.15 | 0.15 | AMP. |
| PLATE VOLTAGE | 110 | 200 | VOLTS |
| GRID #2 VOLTAGE | 110 | 125 | VOLTS |
| GRID #1 VOLTAGE | -7.5 | 0 | VOLTS |
| CATHODE BIAS RESISTOR | 0 | 180 | OHMS |
| PEAK AF GRID #1 VOLTAGE | 7.5 | 8.5 | VOLTS |
| PLATE RESISTANCE (APPROX.) | 13 000 | 28 000 | OHMS |
| TRANSCONDUCTANCE | 8 000 | 8 000 | μMHOS |
| ZERO-SIGNAL PLATE CURRENT | 49 | 46 | MA. |
| MAXIMUM-SIGNAL PLATE CURRENT | 50 | 47 | MA. |
| ZERO-SIGNAL GRID #2 CURRENT | 4 | 2.2 | MA. |
| MAXIMUM-SIGNAL GRID #2 CURRENT | 10 | 8.5 | MA. |
| LOAD RESISTANCE | 2 000 | 4 000 | OHMS |
| TOTAL HARMONIC DISTORTION (APPROX.) | 10 | 10 | PERCENT |
| POWER OUTPUT | 2.1 | 3.8 | WATTS |

→ INDICATES A CHANGE.

50L6GT





V B HIGGINS

PLATE
2690
JUNE 1
1951