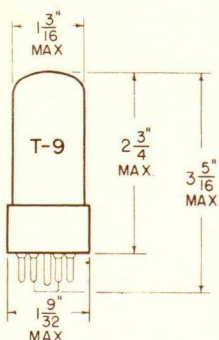


## TUNG-SOL

## BEAM PENTODE



GLASS BULB

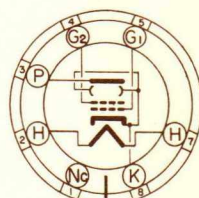
COATED UNIPOTENTIAL CATHODE

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<br>DC AND PEAK | 200  | VOLTS  |
| HEATER POSITIVE WITH RESPECT TO CATHODE<br>DC          | 100  | VOLTS  |
| DC AND PEAK                                            | 200  | VOLTS  |

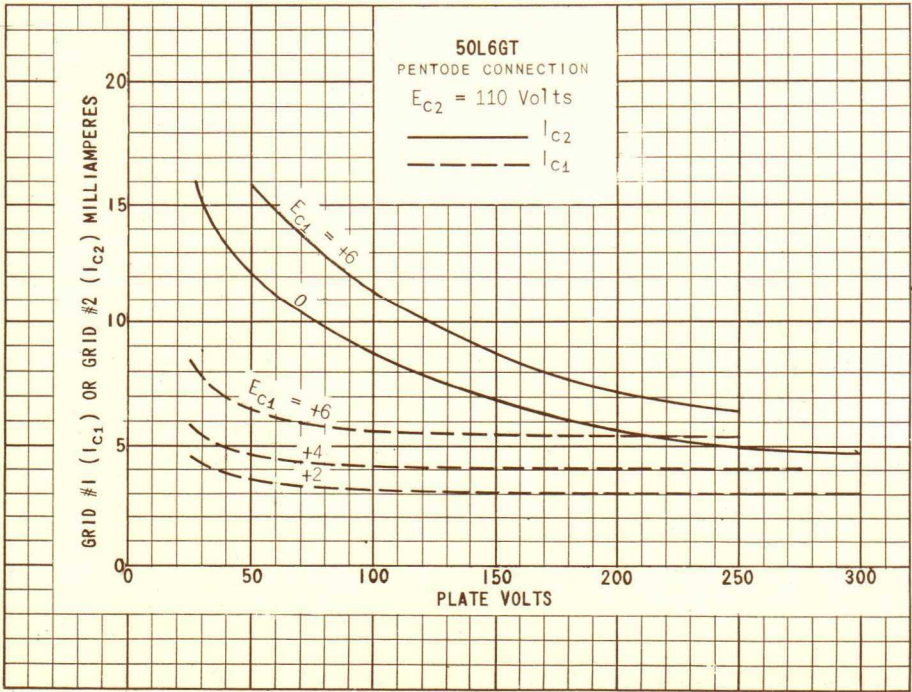
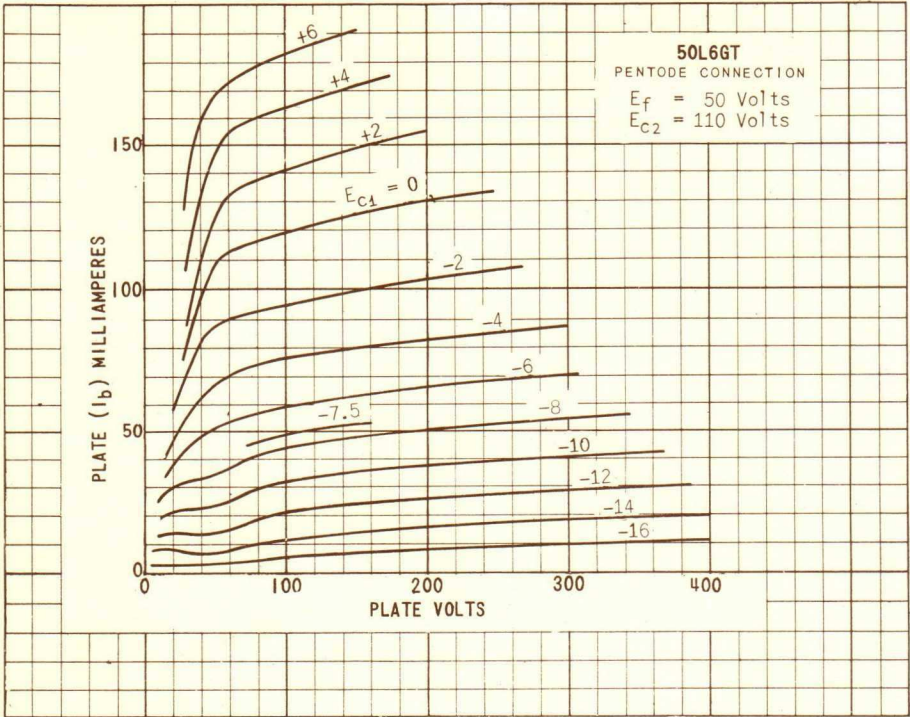
## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

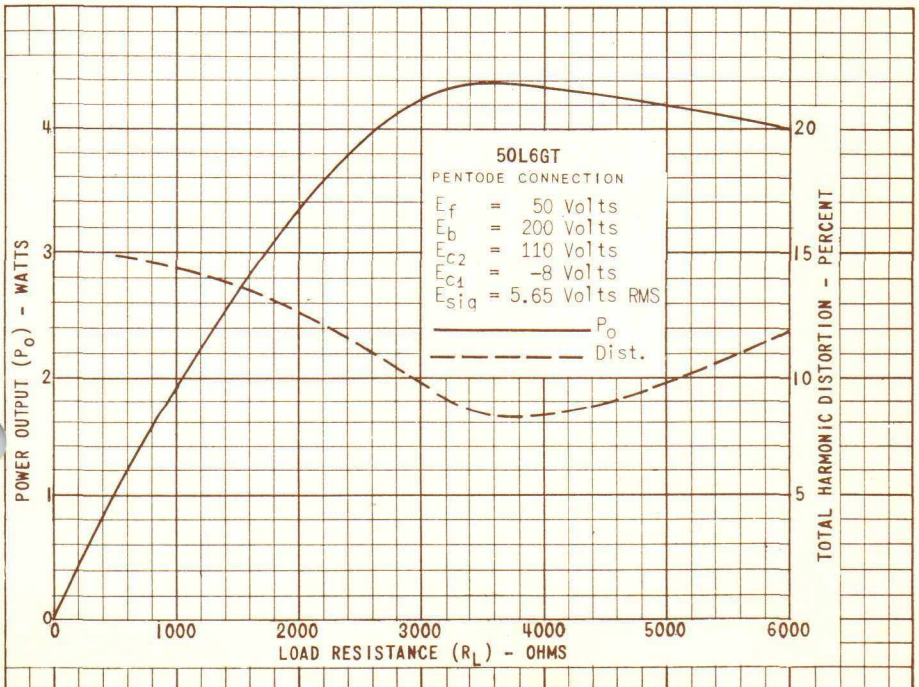
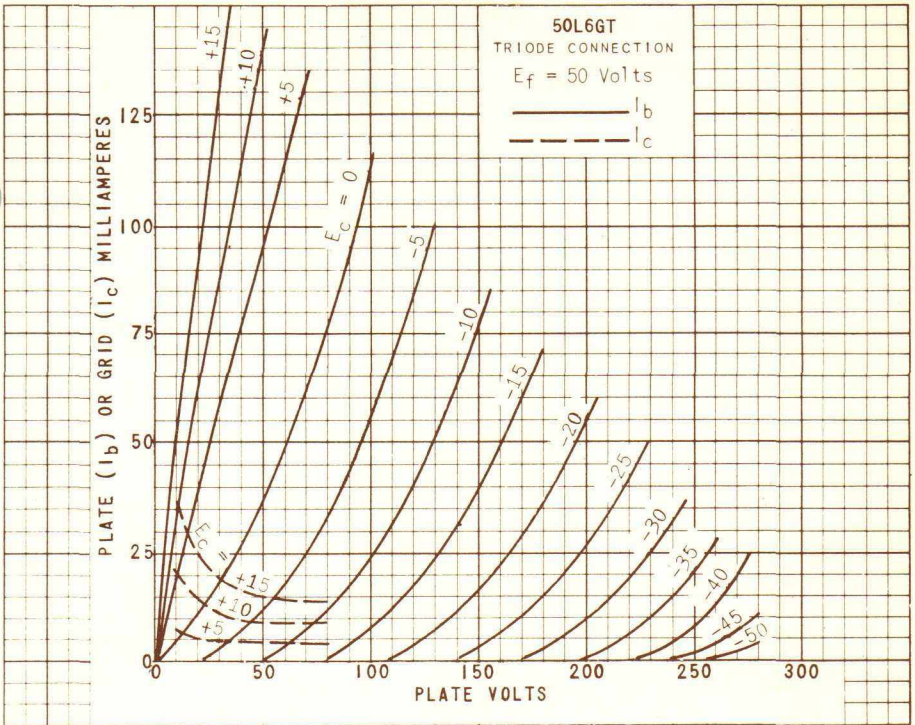
|                                     |        |        |         |
|-------------------------------------|--------|--------|---------|
| HEATER VOLTAGE                      | 50     | 50     | VOLTS   |
| HEATER CURRENT                      | 0.15   | 0.15   | AMP.    |
| PLATE VOLTAGE                       | 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



# (25L6, 25L6GT) 50L6GT



PRINTED IN U. S. A.

PLATE  
2690  
JUNE 1  
1951

