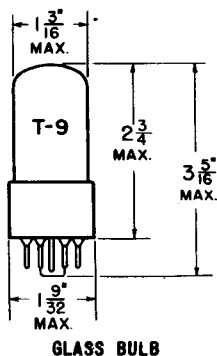


TUNG-SOL

BEAM PENTODE



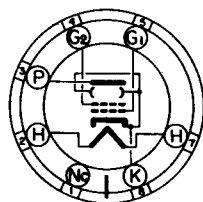
COATED UNIPOTENTIAL CATHODE

HEATER

35 VOLTS 150 MA.

AC OR DC

ANY MOUNTING POSITION

**BOTTOM VIEW**INTERMEDIATE SHELL
7 PIN OCTAL
TAC

THE 35L6GT IS A BEAM POWER AMPLIFIER DESIGNED PRIMARILY FOR SERVICE IN THE OUTPUT STAGE OF AC DC RECEIVERS EMPLOYING 150 MA. HEATER TUBES. IT DELIVERS HIGH POWER OUTPUT WITH HIGH POWER SENSITIVITY FROM LOW SUPPLY VOLTAGES.

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

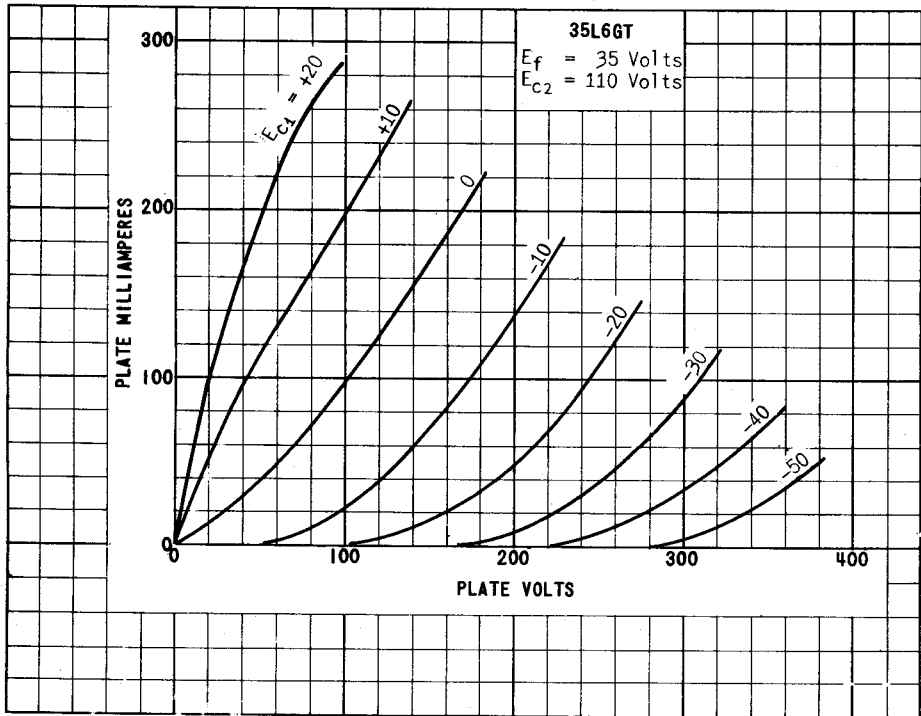
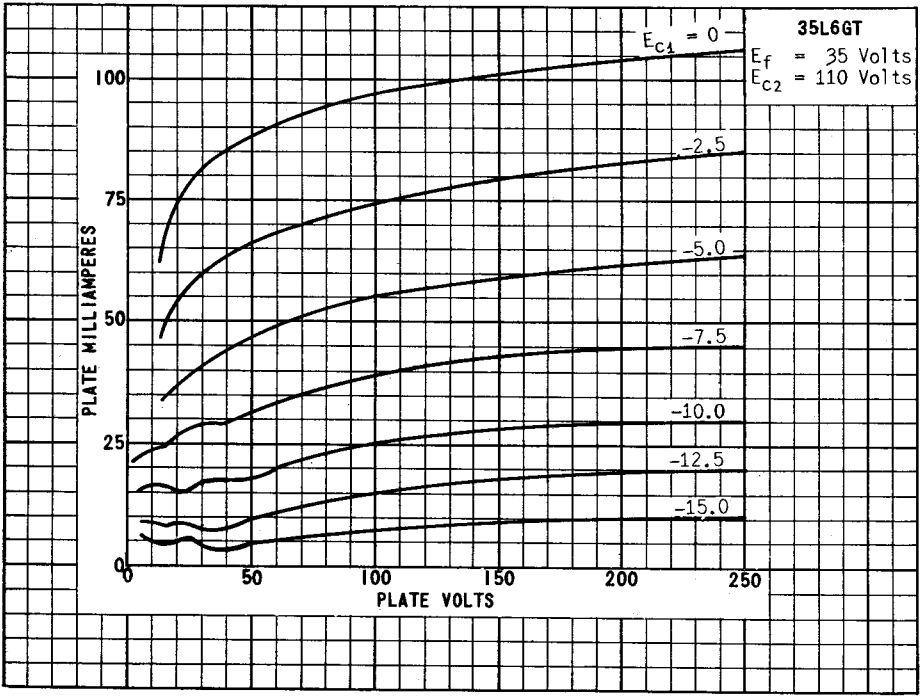
| | | |
|---|-----|--------|
| HEATER VOLTAGE | 35 | VOLTS |
| MAXIMUM HEATER-CATHODE VOLTAGE | 90 | VOLTS |
| MAXIMUM PLATE VOLTAGE | 200 | VOLTS |
| MAXIMUM GRID #2 VOLTAGE | 125 | VOLTS |
| MAXIMUM PLATE DISSIPATION | 8.5 | WATTS |
| MAXIMUM GRID #2 DISSIPATION | 1 | WATT |
| MAXIMUM GRID #1 CIRCUIT RESISTANCE (SELF BIAS) | 0.5 | MEGOHM |
| MAXIMUM GRID #1 CIRCUIT RESISTANCE (FIXED BIAS) | 0.1 | MEGOHM |

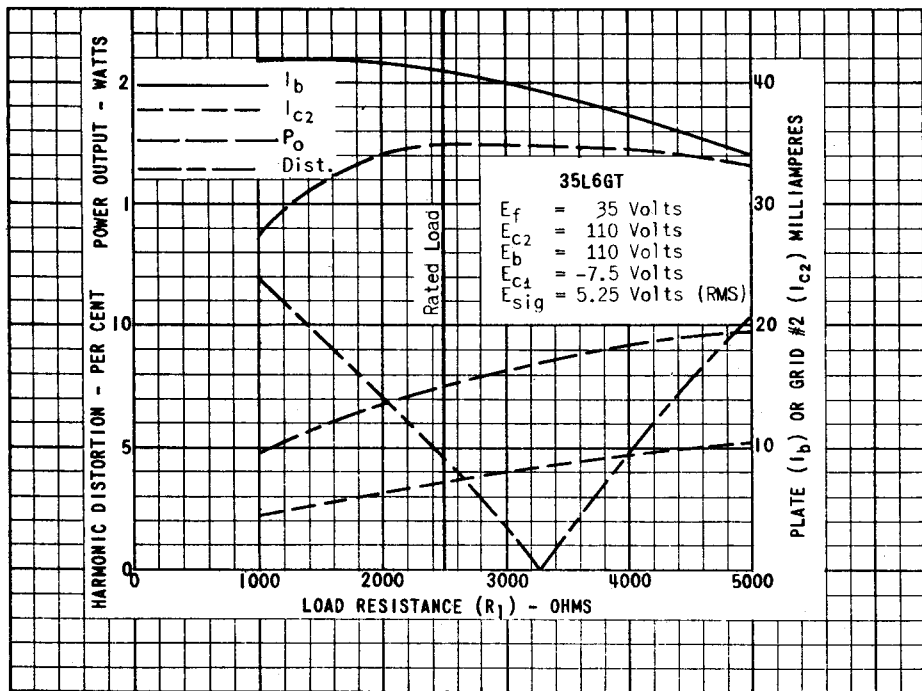
TYPICAL OPERATING CONDITIONS AND CHARACTERISTICSCLASS A₁ AMPLIFIER

| | | | |
|-------------------------------------|--------|--------|---------|
| HEATER VOLTAGE | 35 | 35 | VOLTS |
| HEATER CURRENT | 150 | 150 | MA. |
| 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 SIGNAL VOLTAGE | 7.5 | 8 | VOLTS |
| PLATE RESISTANCE (APPROX.) | 14 000 | 34 000 | OHMS |
| TRANSCONDUCTANCE | 5 800 | 6 100 | μMHOS |
| ZERO-SIGNAL PLATE CURRENT | 40 | 43 | MA. |
| ZERO-SIGNAL GRID #2 CURRENT | 3 | 2 | MA. |
| MAXIMUM-SIGNAL PLATE CURRENT | 41 | 43 | MA. |
| MAXIMUM-SIGNAL GRID #2 CURRENT | 7 | 5.5 | MA. |
| LOAD RESISTANCE | 2 500 | 5 000 | OHMS |
| TOTAL HARMONIC DISTORTION (APPROX.) | 10 | 10 | PERCENT |
| POWER OUTPUT | 1.5 | 3 | WATTS |

→ INDICATES A CHANGE.

35L6GT





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