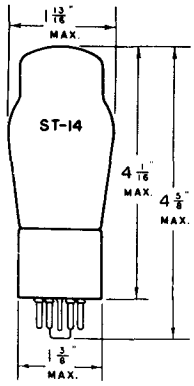
# TUNG-SOL



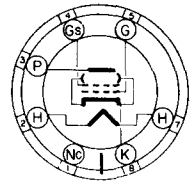

## BEAM POWER AMPLIFIER

UNIPOTENTIAL CATHODE

HEATER
50.0 VOLTS 0.15 AMPERE
AC OR DC

GLASS BULB

MEDIUM 7 PIN OCTAL BASE




G-7AC

BOTTOM VIEW

THE TUNG-SOL 50C6G IS A BEAM POWER AMPLIFIER, DESIGNED FOR SERVICE IN THE OUTPUT STAGE OF AC-DC RECEIVERS. IT FEATURES HIGH POWER OUTPUT WITH LOW SUPPLY VOLTAGES.

### RATINGS

| | | |
|---|---|---|
| MAXIMUM PLATE VOLTAGE | 200 | VOLTS |
| MAXIMUM SCREEN VOLTAGE | 135 | VOLTS |
| MAXIMUM PLATE DISSIPATION | 12.5 | WATTS |
| MAXIMUM SCREEN DISSIPATION | 1.75 | WATTS |

### TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A1 AMPLIFIER

| | | | |
|---|---|---|---|
| PLATE VOLTAGE | 135 | 200 | VOLTS |
| SCREEN VOLTAGE | 135 | 135 | VOLTS |
| CONTROL GRID VOLTAGE[A] | -13.5 | -14 | VOLTS |
| PEAK AF SIGNAL VOLTAGE | 13.5 | 14 | VOLTS |
| ZERO-SIGNAL PLATE CURRENT | 58 | 61 | MA. |
| ZERO-SIGNAL SCREEN CURRENT (NOMINAL) | 3.5 | 2.2 | MA. |
| MAXIMUM-SIGNAL PLATE CURRENT | 60 | 66 | MA. |
| MAXIMUM-SIGNAL SCREEN CURRENT (NOMINAL) | 11.5 | 9 | MA. |
| PLATE RESISTANCE APPROX. | 9300 | 18300 | OHMS |
| TRANSCONDUCTANCE | 7000 | 7100 | μMHOS |
| LOAD RESISTANCE | 2000 | 2600 | OHMS |
| TOTAL HARMONIC DISTORTION | 10 | 10 | PER CENT |
| POWER OUTPUT | 3.6 | 6.0 | WATTS |

[A] THE DC RESISTANCE IN THE GRID CIRCUIT, UNDER MAXIMUM RATED CONDITIONS, SHOULD NOT EXCEED 0.5 MEGOHM FOR SELF-BIAS OPERATION AND 0.1 MEGOHM FOR FIXED BIAS OPERATION.

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JUNE 6
1941

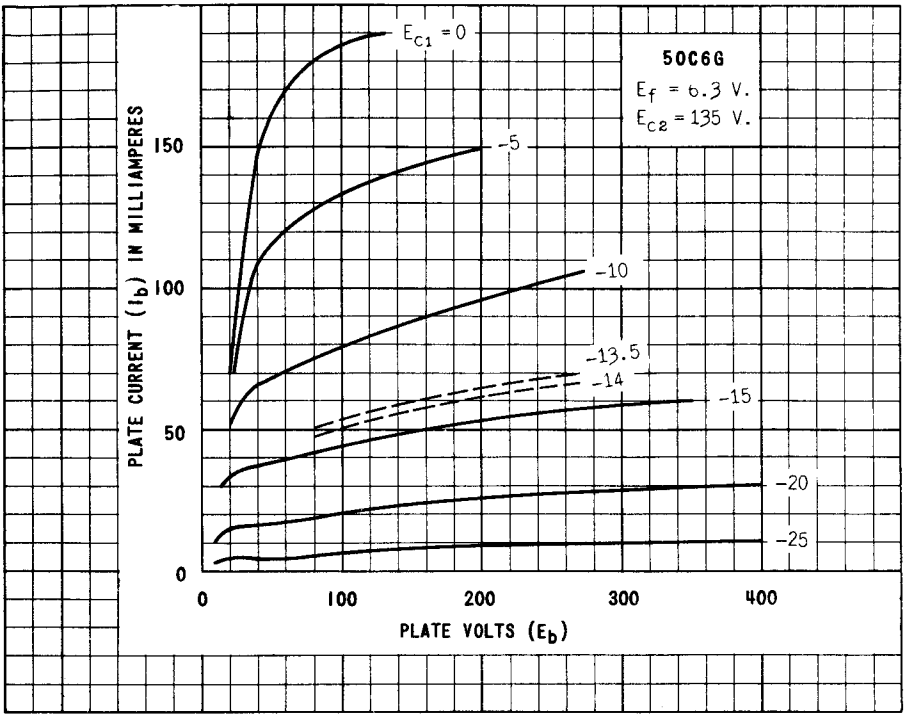
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FOR "INTERPRETATION OF RATINGS" REFER TO FRONT OF BOOK.

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# 50C6G



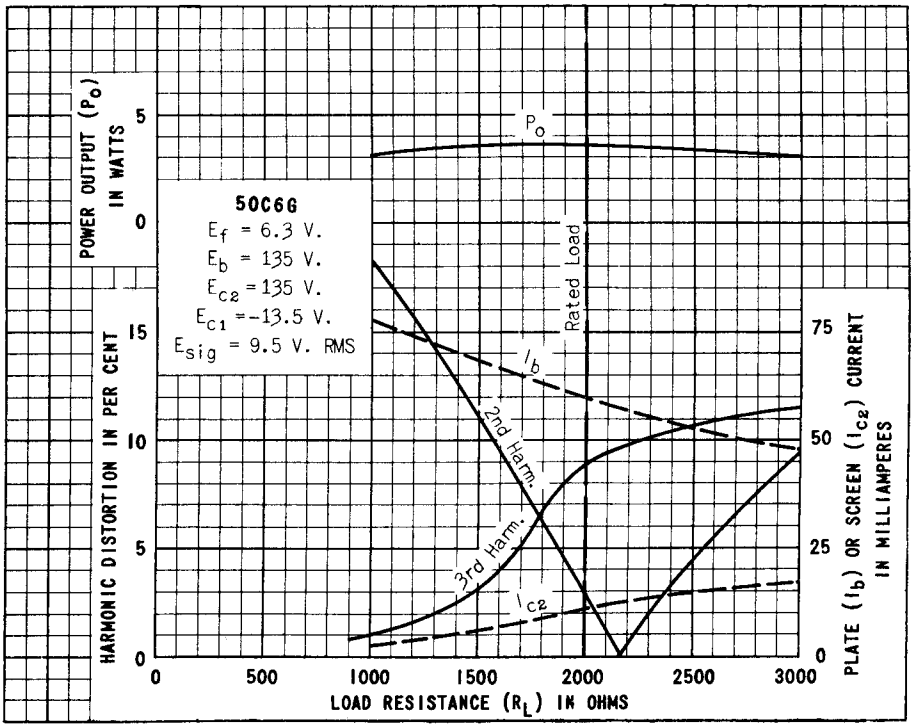




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