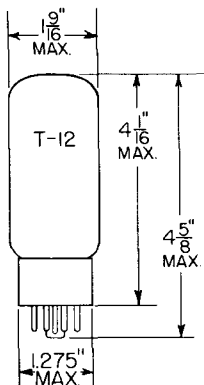


**TUNG-SOL****BEAM PENTODE****GLASS BULB**

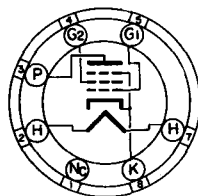
COATED UNIPOTENTIAL CATHODE

HEATER

25 VOLTS 0.3 AMP.

AC OR DC

ANY MOUNTING POSITION

**BOTTOM VIEW**SHORT MEDIUM SHELL  
7 PIN OCTAL

75

THE 25C6GA IS A BEAM POWER AMPLIFIER HAVING HIGH POWER SENSITIVITY AND HIGH POWER OUTPUT AT COMPARATIVELY LOW DC SUPPLY VOLTAGES. EXCEPT FOR HEATER RATINGS, THE 25C6GA IS IDENTICAL TO THE 50C6GA.

**RATINGS**

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

|                                         |                  |        |
|-----------------------------------------|------------------|--------|
| HEATER VOLTAGE                          | 25               | VOLTS  |
| MAXIMUM HEATER-CATHODE VOLTAGE:         |                  |        |
| HEATER NEGATIVE WITH RESPECT TO CATHODE | 180              | VOLTS  |
| HEATER POSITIVE WITH RESPECT TO CATHODE | 180              | VOLTS  |
| MAXIMUM PLATE VOLTAGE                   | 200              | VOLTS  |
| MAXIMUM GRID #2 SUPPLY VOLTAGE          | 200              | VOLTS  |
| MAXIMUM GRID #2 VOLTAGE                 | SEE RATING CHART |        |
| MAXIMUM PLATE DISSIPATION               | 12.5             | WATTS  |
| MAXIMUM GRID #2 DISSIPATION             | 1.75             | WATTS  |
| MAXIMUM GRID #1 CIRCUIT RESISTANCE:     |                  |        |
| FIXED BIAS                              | 0.1              | MEGOHM |
| SELF BIAS                               | 0.5              | MEGOHM |

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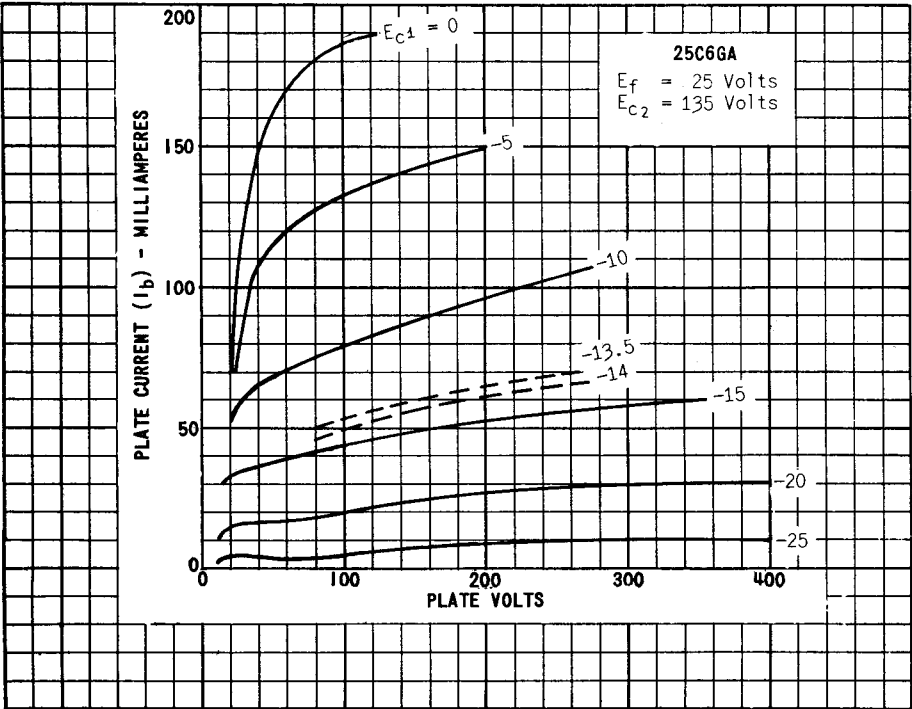
TUNG-SOL

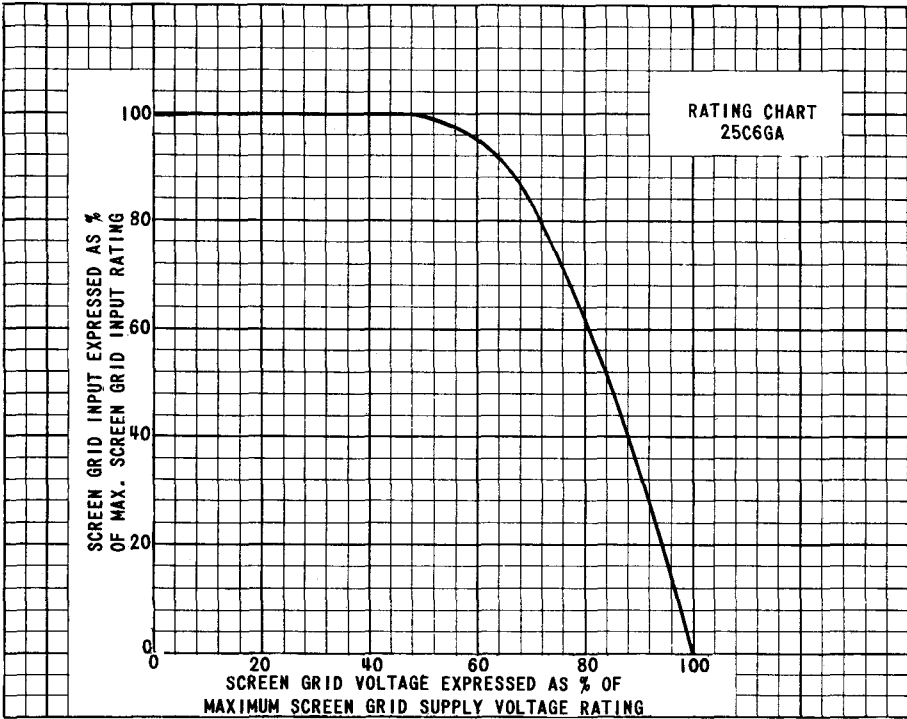
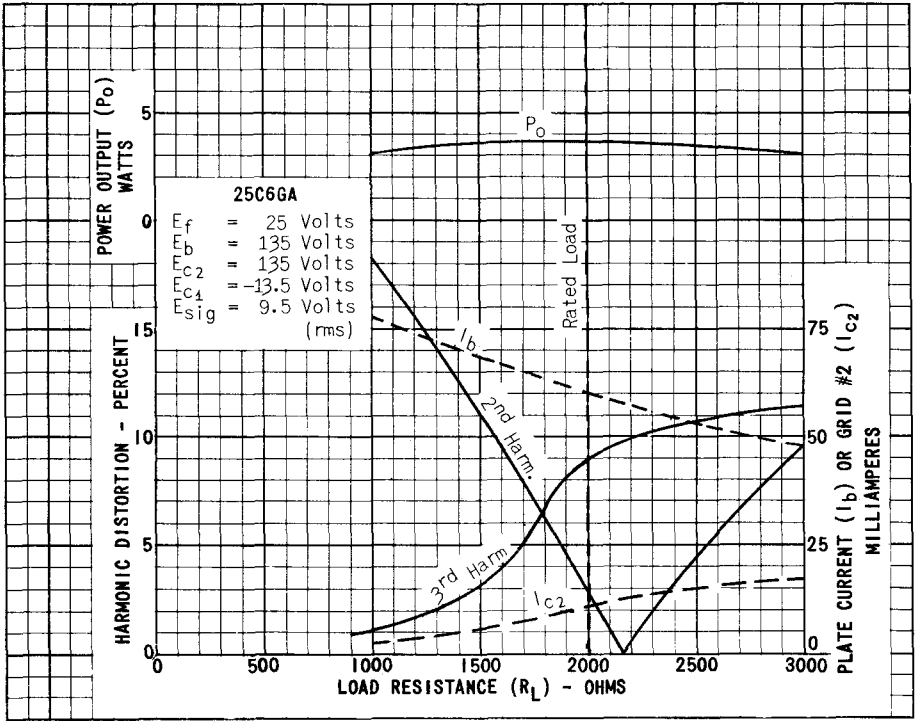
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TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

|                                     |       |         |
|-------------------------------------|-------|---------|
| HEATER VOLTAGE                      | 25    | VOLTS   |
| HEATER CURRENT                      | 0.3   | AMP.    |
| PLATE VOLTAGE                       | 135   | 200     |
| GRID #2 VOLTAGE                     | 135   | 135     |
| GRID #1 VOLTAGE                     | -13.5 | -14     |
| PEAK AF GRID #1 VOLTAGE             | 13.5  | 14      |
| ZERO SIGNAL PLATE CURRENT           | 58    | 61      |
| MAXIMUM SIGNAL PLATE CURRENT        | 60    | 66      |
| ZERO SIGNAL GRID #2 CURRENT         | 3.5   | 2.2     |
| MAXIMUM SIGNAL GRID #2 CURRENT      | 11.5  | 9       |
| TRANSCONDUCTANCE                    | 7 000 | 7 100   |
| PLATE RESISTANCE (APPROX.)          | 9 300 | 18 300  |
| LOAD RESISTANCE                     | 2 000 | 2 600   |
| MAXIMUM SIGNAL POWER OUTPUT         | 3.6   | 6       |
| TOTAL HARMONIC DISTORTION (APPROX.) | 10    | 10      |
|                                     |       | PERCENT |





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