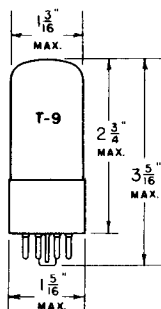


TUNG-SOL



TRIODE POWER AMPLIFIER

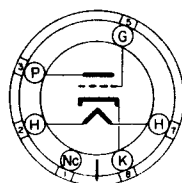
UNIPOENTIAL CATHODE

HEATER

25 VOLTS 0.3 AMPERE

AC OR DC

GLASS BULB



G-6Qa

BOTTOM VIEW

INTERMEDIATE 6 PIN OCTAL BASE

THE TUNG-SOL 25AC5GT/G IS A HIGH-MU POWER OUTPUT TRIODE DESIGNED FOR SERVICE WITH POSITIVE GRID BIAS IN DYNAMIC COUPLED CIRCUITS EMPLOYING A TYPE 6AE5GT/G, TYPE 6P5GT/G, TYPE 76, OR A TYPE 37 AS A DRIVER.

RATINGS

| | | |
|---------------------------|-----|-------|
| MAXIMUM PLATE VOLTAGE | 180 | VOLTS |
| MAXIMUM PLATE DISSIPATION | 10 | WATTS |

AVERAGE CHARACTERISTICS

| | | |
|----------------------|--------|-------|
| PLATE VOLTAGE | 110 | VOLTS |
| CONTROL GRID VOLTAGE | +15 | VOLTS |
| PLATE CURRENT | 45 | MA. |
| GRID CURRENT | 7 | MA. |
| PLATE RESISTANCE | 15 200 | OHMS |
| TRANSCONDUCTANCE | 3800 | μMHOS |
| AMPLIFICATION FACTOR | 58 | |

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

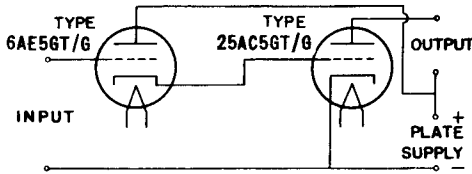
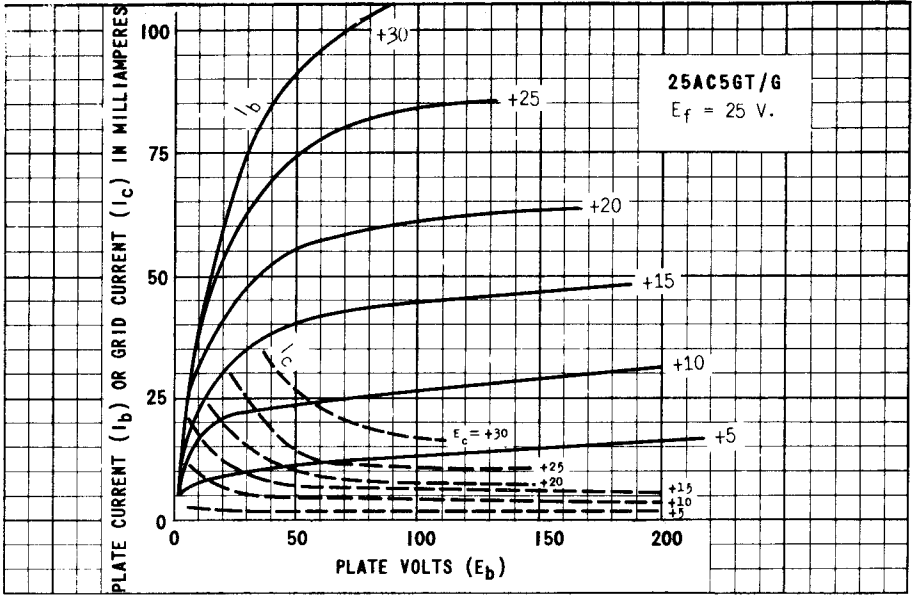
DYNAMIC-COUPLED CLASS A₁ AMPLIFIER

| DRIVER TUBE TYPE | 6AE5GT/G | 6P5GT/G | 37 | |
|---|----------|---------|------|----------|
| PLATE SUPPLY VOLTAGE | 110 | 180 | 180 | VOLTS |
| CONTROL GRID VOLTAGE | A | A | A | VOLTS |
| DRIVER GRID RESISTOR MAX. | 1.0 | 1.0 | 1.0 | MEGOHM |
| POWER TUBE PLATE CURRENT | 45 | 27 | 37 | MA. |
| DRIVER TUBE PLATE CURRENT | 7 | 4 | 5.3 | MA. |
| INPUT SIGNAL TO DRIVER VOLTAGE (RMS) ^B | 22 | 12 | 17 | VOLTS |
| LOAD RESISTANCE | 2000 | 8000 | 5000 | OHMS |
| TOTAL HARMONIC DISTORTION | 10 | 10 | 10 | PER CENT |
| POWER OUTPUT | 2.0 | 2.0 | 2.7 | WATTS |

^A BIAS VOLTAGE FOR BOTH THE 25AC5GT/G AND THE DRIVER ARE AUTOMATICALLY DEVELOPED BY THE "DYNAMIC COUPLED" CIRCUIT.

^B DRIVER GRID CURRENT DOES NOT FLOW DURING ANY PART OF THE INPUT CYCLE.

25AC5GT/G



THE DATA SHOWN HEREIN IS FOR YOUR INFORMATION. TUNG-SOL LAMP WORKS INC. ASSUMES NO LIABILITY WITH RESPECT TO ITS USE IN THE INFRINGEMENT OF ANY PATENT.

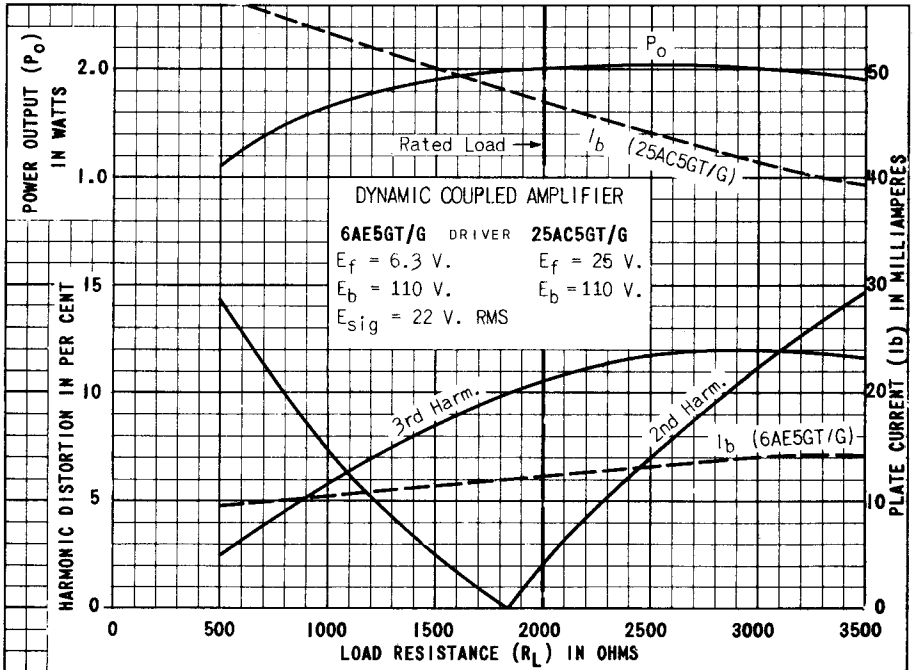


PLATE 1160-1