TUNG-SOL

TRIODE POWER AMPLIFIER

UNIPOTENTIAL CATHODE

HEATER
25 VOLTS 0.3 AMPERE
AC OR DC

GLASS BULB

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 15000 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 MEGOHMS
POWER TUBE PLATE CURRENT 45 27 37 MA.
DRIVER TUBE PLATE CURRENT 7 4 5.3 MA.
INPUT SIGNAL TO DRIVER VOLTAGE (RMS) 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

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

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