TWIN TRIODE POWER AMPLIFIER

UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 0.6 AMPERE
AC OR DC

CLASS B AMPLIFIER

PLATE VOLTAGE MAX. 250 VOLTS
PEAK PLATE CURRENT PER PLATE MAX. 90 MA.
AVERAGE PLATE DISSIPATION MAX. 11.5 WATTS

CLASS B+ AMPLIFIER

PLATE VOLTAGE 180 250 MAX. VOLTS
GRID BIAS 0 0 VOLTS
ZERO-SIGNAL PLATE CURRENT PER PLATE 3.8 5.3 MA.
EFFECTIVE LOAD RESISTANCE PLATE TO PLATE 7000 14000 OHMS
AVERAGE POWER INPUT GRID TO GRID 380 380 MILLIWATTS
POWER OUTPUT APPROX. 5.5 8.0 WATTS

RESISTANCE COUPLED AMPLIFIER AND PHASE INVERTER

PLATE SUPPLY VOLTAGE 100 100 250 250 VOLTS
PLATE LOAD RESISTOR 0.1 0.5 0.1 0.5 MEGOHM
CATHODE RESISTOR 2000 6000 1200 3000 OHMS
VOLTAGE GAIN 30 35 35 43

DIRECT INTERELECTRODE CAPACITANCES

| GRID TO CATHODE | 3.6 | 3.6 | μF |
| PLATE TO CATHODE | 4.6 | 4.6 | μF |
| GRID TO PLATE | 2.6 | 2.6 | μF |
| GRID 1 TO GRID 2 | 0.3 | | μF |
| PLATE 1 TO PLATE 2 | 1.7 | | μF |
| GRID 1 TO PLATE 2 | 0.12 | | μF |
| GRID 2 TO PLATE 1 | 0.12 | | μF |

TRIODE 2 IS TRIODE HAVING GRID BROUGHT OUT TO PIN #4.
TRIODE 1 IS TRIODE HAVING GRID BROUGHT OUT TO PIN #5.

WITH SHIELD

SMALL 8 PIN OCTAL BASE

THE TUNG-SOL 6Y7G IS A TWIN TRIODE DESIGNED PRIMARILY FOR SERVICE AS A CLASS B POWER AMPLIFIER, VOLTAGE AMPLIFIER OR PHASE INVERTER. WITH THE EXCEPTION OF CAPACITANCES ITS RATINGS AND CHARACTERISTICS ARE IDENTICAL WITH THOSE OF THE 79.