TWIN TRIODE AMPLIFIER

UNIPOTENTIAL CATHODES

HEATER
6.3 VOLTS 0.6 AMPERE
AC OR DC

GLASS BULB

G-8G
BOTTOM VIEW

SMALL 8 PIN OCTAL BASE

THE TUNG-SOL 6F8G IS A GENERAL PURPOSE TWIN TRIODE VOLTAGE AMPLIFIER HAVING TWO COMPLETELY INDEPENDENT TRIODE UNITS IN ONE BULB. WITH THE EXCEPTION OF CAPACITANCES, THE ELECTRICAL CHARACTERISTICS OF EACH TRIODE SECTION ARE IDENTICAL TO THOSE OF THE 6J3, 6J5G AND 6J5GT.

RATINGS

MAXIMUM PLATE VOLTAGE 300 VOLTS
MAXIMUM PLATE DISSIPATION PER UNIT 2.5 WATTS
MINIMUM CONTROL GRID VOLTAGE 0 VOLTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A1 AMPLIFIER (EACH UNIT)

PLATE VOLTAGE 90 250 VOLTS
CONTROL GRID VOLTAGE 0 -8 VOLTS
PLATE CURRENT 10.0 9.0 MILLIAMPS
PLATE RESISTANCE 6700 7700 OHMS
TRANSCONDUCTANCE 3000 2000 MEGOHMS
AMPLIFICATION FACTOR 20 20

DIRECT INTERELECTRODE CAPACITANCES

GRID TO CATHODE TRIODE UNIT 1 TRIODE UNIT 2 µF
PLATE TO CATHODE 5.2 3.0
GRID TO PLATE 3.2 3.8
GRID 1 TO GRID 2 4.0 3.6
PLATE 1 TO PLATE 2 0.2 0.4
GRID 2 TO PLATE 1 0.1

* WITH EXTERNAL SHIELD CONNECTED TO CATHODE.

TRIODE 2 - TRIODE HAVING GRID BROUGHT OUT TO BASE PIN.
TRIODE 2 - TRIODE HAVING GRID BROUGHT TO THE TOP CAP.

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