TUNG-SOL

DUPLX-DIODE TRIODE

UNIPOTENTIAL CATHODE

HEATER

6V7G, 85 55
6.3 V. 2.5 V.
0.3 A. 1.0 A.

AC OR DC

IN CIRCUITS WHERE THE CATHODE IS NOT DIRECTLY CONNECTED TO THE HEATER, THE POTENTIAL DIFFERENCE BETWEEN HEATER AND CATHODE SHOULD BE KEPT AS LOW AS POSSIBLE. UNDER NO CONDITIONS SHOULD IT EXCEED 100 VOLTS.

6V7G SMALL 7 PIN OCTAL BASE

55, 85 SMALL 6 PIN BASE

THE 6V7G, 55 AND 85 ARE HEATER CATHODE TYPE TUBES CONSISTING OF TWO DIODES AND A TRIODE IN A SINGLE BULB. THEY ARE DESIGNED FOR USE AS COMBINED DETECTORS, AMPLIFIERS AND AUTOMATIC VOLUME CONTROL TUBES.

RATINGS

INTERPRETED ACCORDING TO NEMA STANDARD WB-210

MAXIMUM PLATE VOLTAGE 250 VOLTS
MAXIMUM PLATE DISSIPATION 2.0 WATTS

DIRECT INTERELECTRODE CAPACITANCES

GRID TO PLATE 1.5 µµF
INPUT 1.5 µµF
OUTPUT 4.3 µµF

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A AMPLIFIER

PLATE VOLTAGE 135 180 250 VOLTS
GRID VOLTAGE -10.5 -13.5 -20 VOLTS
PLATE CURRENT 3.7 6.0 8.0 MA
PLATE RESISTANCE 11000 8500 7500 OHMS
TRANSCONDUCTANCE 750 975 1100 MMHMS
AMPLIFICATION FACTOR 8.3 8.3 8.3
LOAD RESISTANCE 25000 20000 20000 OHMS
POWER OUTPUT 75 160 350 MW