DUPLEX-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.

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 RMA STANDARD MB-21D

MAXIMUM PLATE VOLTAGE 250 VOLTS
MAXIMUM PLATE DISSIPATION 2.0 WATTS

DIRECT INTERELECTRODE CAPACITANCES

GRID TO PLATE 1.5 µuf
INPUT 1.5 µuf
OUTPUT 4.3 µuf

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS
CLASS A AMPLIFIER

| PLATE VOLTAGE | 135 | 180 | 250 |
| PLATE VOLTAGE | -10 | -15 | -20 |
| PLATE RESISTANCE | 11000 | 8500 | 7500 |
| PLATE CURRENT | 3.7 | 6.0 | 8.0 |
| TRANSCONDUCTANCE | 750 | 975 | 1100 |
| AMPLIFICATION FACTOR | 8.3 | 8.3 | 8.3 |
| LOAD RESISTANCE | 25000 | 20000 | 20000 |
| POWER OUTPUT | 75 | 160 | 350 |