TENTATIVE DATA

TUNG-SOL

TRIPLE-DIODE TRIODE
MINIATURE TYPE

COATED UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 450 MA.
AC OR DC
ANY MOUNTING POSITION

BOTTOM VIEW
MINIATURE BUTTON
9 PIN BASE
9A4H

THE 6V8 COMPRISSES TWO HIGH PERVALENCE DIODES, A MEDIUM PERVALENCE DIODE, AND A HIGH-MU TRIODE IN ONE ENVELOPE WITH THE 9 PIN MINIATURE BASE. ONE OF THE HIGH PERVALENCE DIODES HAS AN INDEPENDENT CATHODE PROVIDING SATISFACTORY OPERATION IN BALANCED LOW IMPEDANCE DETECTOR CIRCUITS. THIS TUBE STRUCTURE PERMITS THE CONSTRUCTION OF AM/FM RECEIVERS WITH A MINIMUM OF SWITCHING.

DIRECT INTERELECTRODE CAPACITANCES
WITHOUT EXTERNAL SHIELD

| DIODE #1 TO GRID: (1P TO G) MAX. | 0.1 µµf |
| DIODE #2 TO GRID: (2P TO G) MAX. | 0.2 µµf |
| DIODE #3 TO GRID: (3P TO G) MAX. | 0.02 µµf |
| DIODE #1 TO ALL: 1P TO (H+K+G+P+2P+3P) | 1.3 µµf |
| DIODE #2 TO ALL: 2P TO (H+K+G+P+4P+3P) | 5.3 µµf |
| DIODE #3 TO ALL: 3P TO (H+K+G+P+4P+2P) | 5.3 µµf |

RATINGS
INTERPRETED ACCORDING TO RCA STANDARD WB-210

HEATER VOLTAGE 6.3 VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE 200 VOLTS
MAXIMUM PLATE VOLTAGE 300 VOLTS
MAXIMUM POSITIVE DC GRID VOLTAGE 0 VOLTS
MAXIMUM PLATE DISSIPATION 1 WATT
MAXIMUM DIODE #2, DIODE #3, CURRENT FOR CONTINUOUS OPERATION 10 MA.
MAXIMUM DIODE #1 CURRENT FOR CONTINUOUS OPERATION 1 MA.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS
CLASS A1 AMPLIFIER

HEATER VOLTAGE 6.3 6.3 VOLTS
HEATER CURRENT 450 450 MA.
PLATE VOLTAGE 100 250 VOLTS
GRID VOLTAGE -1 -3 VOLTS
PLATE RESISTANCE (APPROX.) 54 000 58 000 OHMS
TRANSCONDUCTANCE 1 300 1 200 µMhos
AMPLIFICATION FACTOR 70 70
PLATE CURRENT 0.8 1 MA.
AVERAGE DIODE #2 OR DIODE #3 WITH 5 VOLTS DC APPLIED 40 MA.
RATIO OF 1/102 OR 1/103 WITH 5 VOLTS APPLIED (MAX.) 1.5
DIODE #2 OR DIODE #3 CURRENT THROUGH 40,000 OHMS WITH NO VOLTAGE APPLIED (MAX.) 24 µA.
AVERAGE DIODE #1 CURRENT WITH 100 VOLTS DC APPLIED 2 MA.
HEATER TO ALL CATHODES WITH ± 100 VOLTS APPLIED (MAX.) 5 µA.