MECHANICAL DATA
Maximum Overall Length......................2.375 Inches
Maximum Overall Diameter...................1.005 Inches

ELECTRICAL DATA
HEATER CHARACTERISTICS
Heater Voltage (A.C. or D.C.)..................6.3 Volts
Heater Current..............................425 Ma

DIRECT INTERELECTRODE CAPACITANCES (MAX.)
Grid to Plate................................1.50 μμF
Grid to Cathode..............................1.40 μμF
Plate to Cathode.............................0.25 μμF

RATINGS (Absolute Values)
Plate Dissipation............................5 Watts Max.
Plate Voltage (Pulsed).......................1500 Volts Max.
Plate Voltage (CW)..........................1000 Volts Max.
Operating Frequency........................3300 Mc Max.
Seal Temperature...........................175°C Max.

CHARACTERISTICS
Conditions: (E_b=180 volts dc, R_k=400 ohms)
Transconductance.........................4500 μμhos
Amplification Factor.........................25
Plate Current...............................12 Ma

TYPICAL OPERATION
UHF Oscillator, CW — 1000 MC
Plate Voltage................................150 Volts
Plate Current...............................25 Ma
Grid Resistor..............................100 Ohms

UHF Oscillator, CW — 3300 Mc
Plate Voltage................................150 200 Volts
Plate Current...............................25 25 Volts
Grid Resistor..............................100 100 Ohms
Cathode Resistor (approx.) 10 100 Ohms
Power Output...............................200 450 MW Min.

Pulse Operation — 3300 MC
Peak Plate Voltage 2........................1500 Volts
Peak Power Output........................175 Watts
Peak Emission..............................1500 Ma Min.

NOTES:
1. Adjust for rated plate current.
APPLICATION DATA

The Sylvania Type 5764 is a medium mu uhf triode employing planar construction. It is designed for service as a CW or pulse modulated oscillator at frequencies up to 3300 mc with medium power output. Frequency ratios of about 4 to 1 (250 mc to 1000 mc) for continuous tuning can be obtained up to 1000 mc with no dead spots throughout the range, ratios of about 3 to 1 can likewise be obtained up to 3300 mc.