MECHANICAL DATA
Maximum Overall Length ....... 2.7/16 Inches
Maximum Overall Diameter .... 1.005 Inches

ELECTRICAL DATA
HEATER CHARACTERISTICS
Heater Voltage ............... 6.3 Volts
Heater Current .............. 400 Ma

DIRECT INTERELECTRODE CAPACITANCES (Max.)
Grid to Plate ................ 1.40 μF
Grid to Cathode ............. 2.00 μF
Plate to Cathode ............ 0.15 μF

RATINGS (Absolute Values)
Plate Voltage ............... 350 Volts Max.
Plate Dissipation .......... 4 Watts Max.
Operating Frequency ........ 3000 Mc Max.
Maximum Seal Temperature .. 175°C

CHARACTERISTICS
Conditions: (E_b = 180 volts dc, R_a = 400 ohms)
Plate Current ............... 4.0 Ma
Transconductance .......... 4500 μmhos
Amplification Factor ...... 85

TYPICAL OPERATION
Grounded Grid Amplifier, 3000 mc
Plate Voltage ............... 150 Volts
Plate Current ............... 7.0 Ma
Cathode Resistor .......... 100 Ohms
Power Gain ................ 5 DB

APPLICATION DATA
The Sylvania Type 5768 is designed for service as a grounded grid amplifier at frequencies up to 3000 mc and may be used with a tuned or untuned input and tuned coaxial line output. Frequency ratios of about 4 to 1 (250-1000 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.

The Sylvania Type 5768 planar triode features a stretched, parallel-wire grid that results in stable, uniform operation; a unique cathode design that minimizes discontinuities in the cathode structure; and a disc-seal type of construction that satisfies the requirements for low lead inductance. The mechanical configuration provides maximum isolation between input and output circuits.