RMA TYPE 6SF7GT
Diode-super-control Amplifier
Pentode, Single-ended type.

Heater  Coated Unipotential Cathode
Voltage  6.3 a-c or d-c volts
Current  0.3 ampere

Direct Interelectrode Capacitances:

Pentode Unit
  Grid to Plate  0.005 max. μµf
  Input  5.5 μµf
  Output  6.0 μµf
  Pentode Grid to Diode Plate  0.004 max. μµf
  Pentode Plate to Diode Plate  0.5 μµf

Maximum Overall Length  3-5/16"
Maximum Seated Height  2-3/4"
Maximum Diameter  1-5/16"
Bulb  T9
Base  Small Wafer Octal 8-Pin, Sleeve
Mounting Position  Any

0 With shield No. 308 connected to cathode.

Pentode Unit - Amplifier
Plate Voltage  300 max. volts
Screen Voltage  100 max. volts
Screen Supply Voltage  300 max. volts
Grid Voltage  0 min. volts
Plate Dissipation  3.5 max. watts
Screen Dissipation  0.5 max. watt

Typical Operation and Characteristics-Class A1 Amplifier:
Plate Voltage  100 250 volts
Screen Voltage  100 100 volts
Grid Voltage  -1 -1 volt
Plate Resistance (Approx.)  0.2 0.7 megohms
Transconductance  1975 2050 micromhos
Grid Voltage (Approx.) for Transconductance = 10 micromhos  -35 -35 volts
Plate Current  12 12.4 ma.
Screen Current  3.4 3.5 ma.

DIODE UNIT.
The diode plate is placed around the cathode, the sleeve of which is common to the pentode unit. Diode curves shown under type 6B7 apply to the 6SF7-GT.

PIN CONNECTIONS.
Pin 1-Base Sleeve and Internal Shield  Pin 4-Pentode Screen
Pin 2-Pentode Grid  Pin 5-Diode Plate
Pin 3-Cathode, Suppressor  Pin 6-Pentode Plate
  (Pin numbers are according to RMA)  Pin 7-Heater
Pin 8-Heater