SYLVANIA ELECTRIC

from RMA release #847B,
March 15, 1951

RTMA Registration Data

TYPE 6BG7

DOUBLE TRIODE

MECHANICAL DATA

Style..... subminiature
Cathode..... coated, unipotential
Bulb..... T-3
Base..... E8-9, Subminiature Button--8 Pin
Outline..... 3-5
Maximum Diameter.....0.400 inch
Maximum Overall Length.....1.75 inches
Maximum Seated Height.....1.50 inches
Mounting Position.....any
Basing.....8DG-0-0

Pin Connections:

Pin 1 .. #2 triode plate	Pin 5 .. #1 triode cathode
Pin 2 .. #2 triode grid	Pin 6 .. heater
Pin 3 .. heater	Pin 7 .. #1 triode grid
Pin 4 .. #2 triode cathode	Pin 8 .. #1 triode plate

ELECTRICAL DATA

GENERAL

Direct Interelectrode Capacitances:

	Shielded(1)	*Not Shielded*	
Grid to Plate (each section)	1.5	1.5	μμf
Input (each section)	2.0	2.0	μμf
Output:			
Section #1	1.6	0.28	μμf
Section #2	2.0	0.30	μμf
Grid to Grid	0.008	0.009	μμf
Plate to Plate	0.55	0.75	μμf

Heater Voltage (ac or dc)	6.3	volts
Heater Current	300	milliamps

MAXIMUM RATINGS --*Design Center System*

Plate Voltage, maximum	110	volts
Plate Dissipation, maximum (each section)...	1.0	watt
Heater-Cathode Voltage, maximum.....	90	volts

CHARACTERISTICS *(each section)*

Conditions:

Heater Voltage (ac or dc).....	6.3	volts
Plate Voltage (dc).....	100	volts
Cathode-Bias Resistor.....	100	ohms
Plate Current.....	8.0	milliamps
Amplification Factor.....	35	
Transconductance.....	4,800	micromhos
Plate Resistance.....	7,000	ohms
Grid Voltage for 10 μamps Plate Current.....	-7.5	volts

(1) External shield of 0.405 inch diameter connected to cathode.