from RMA release # 625A,
May 27, 1949

SYLVANIA ELECTRIC

RMA Registration Data

TYPE 5637

HIGH MU TRIODE

MECHANICAL DATA

Style	subminiature
Cathode	coated, unipotential
Outline	*(see Page 2)*
Maximum Diameter	0.400 inch
Maximum Bulb Length	1.500 inches
Bulb	T-3
Base	subminiature button, flexible leads *(see Page 2)*

Lead Connections:

Lead 1 .. plate	Lead 4 .. heater
Lead 2 .. grid	Lead 5 .. cathode
Lead 3 .. heater	

Mounting Position	any
Maximum Acceleration (1)	1,000 G

ELECTRICAL DATA

GENERAL

Direct Interelectrode Capacitances

	without shield	*with shield* (2)	
Grid to Plate	1.40	1.30	μμf
Input	2.60	2.80	μμf
Output	0.70	3.20	μμf

Heater Voltage	6.3	volts
Heater Current	150	milliamps

RATINGS – – *Design Center Values*

Heater Voltage (ac or dc)	6.3 (±10%)	volts
Maximum Plate Voltage	150	volts
Maximum Plate Dissipation	0.3	watt
Maximum Heater-Cathode Voltage	90	volts
Maximum Cathode Current	2	milliamps
Maximum Grid Circuit Resistance (self bias)	1	megohm

(1) Forces applied gradually, as in centrifuge, in direction of long axis of tube and such that internal structure is in tension.

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

TYPE 5637

CHARACTERISTICS

Heater Voltage	6.3	volts
Plate Voltage (dc)	100	volts
Self Bias Resistor	820	ohms
Plate Current	1.4	milliamps
Transconductance	2,700	μmhos
Amplification Factor	70	
Plate Resistance	26,000	ohms
Grid Voltage for 10 μamps Plate Current	-3.6	volts