

EDISWAN**MAZDA****6LI****TELEVISION TWIN TRIODE**

Indirectly heated—for parallel operation

REPLACEMENT TYPE

6LI

RATING

Heater Voltage (volts)	V_h	6.3
Heater Current (amps)	I_h	0.4
Maximum Anode Voltage (volts)	$V_a(\max)$	250
Mutual Conductance (mA/V)	g_m	2.8*
Amplification Factor	μ	16*
Maximum Anode Dissipation (watts) (either section)	$P_a(\max)$	3.0†
Maximum Total Anode Dissipation (watts)	$P_a(\text{tot})\max$	4.0†

* Taken at $V_a=200$ volts ; $I_a=10\text{mA}$.

† The permissible anode dissipation rating is a function of the grid cathode resistance and the circuit employed.

INTER-ELECTRODE CAPACITANCES (pF)

		‡	§
Grid 1/Anode 1	$c_{g'-a'}$	2.7	2.9
Grid 2/Anode 2	$c_{g''-a''}$	2.6	2.8
Grid 1/Earth	$c_{g'-E}$	2.8	4.1
Grid 2/Earth	$c_{g''-E}$	2.8	4.1
Anode 1/Earth	$c_{a'-E}$	2.4	3.7
Anode 2/Earth	$c_{a''-E}$	2.2	3.5
Anode 1/Anode 2	$c_{a'-a''}$	0.62	0.62
Grid 1/Grid 2	$c_{g'-g''}$	0.016	0.017
Grid 1/Anode 2	$c_{g'-a''}$	0.033	0.034
Grid 2/Anode 1	$c_{g''-a'}$	0.09	0.1

‡ Inter-electrodes capacitances with holder capacitance balanced out.

§ Total capacitances including a Benjamin B8A moulded holder measured at a frequency of 1 Mc/s.

Indicates a change ←

December 1958

VALVE & CRT DIVISION

Issue 3/2A

SIEMENS EDISON SWAN LIMITED

6L1

EDISWAN

MAZDA

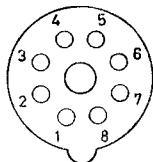
6L1

TELEVISION TWIN TRIODE

Indirectly heated—for parallel operation

REPLACEMENT TYPE ←DIMENSIONS

Maximum Overall Length (mm)	67
Maximum Diameter (mm)	22
Maximum Seated Height (mm)	54
Radius over Location Key (mm)	12.25

MOUNTING POSITION—Unrestricted.BULB—Clear.BASE—B8A

Viewed from free end of pins

CONNECTIONS

Pin 1	Heater	h
Pin 2	Anode 2	a"
Pin 3	Grid 2	g"
Pin 4	Cathode 2	k"
Pin 5	Anode 1	a'
Pin 6	Grid 1	g'
Pin 7	Cathode 1	k'
Pin 8	Heater	h

Indicates a change ←

December 1958

VALVE & CRT DIVISION

Issue 3/2A

SIEMENS EDISON SWAN LIMITED

EDISWAN

MAZDA

6L1

TELEVISION TWIN TRIODE

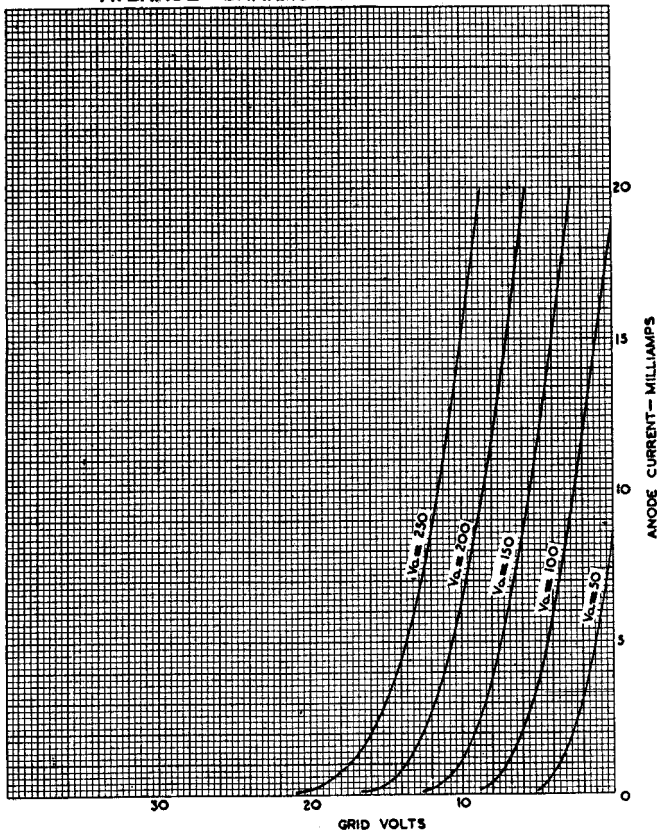
Indirectly heated—for parallel operation

REPLACEMENT TYPE

6L1



AVERAGE CHARACTERISTIC CURVES



Indicates a change ←

December 1958

VALVE & CRT DIVISION

Issue 2/2A

SIEMENS EDISON SWAN LIMITED

6L1

EDISWAN

MAZDA

6L1

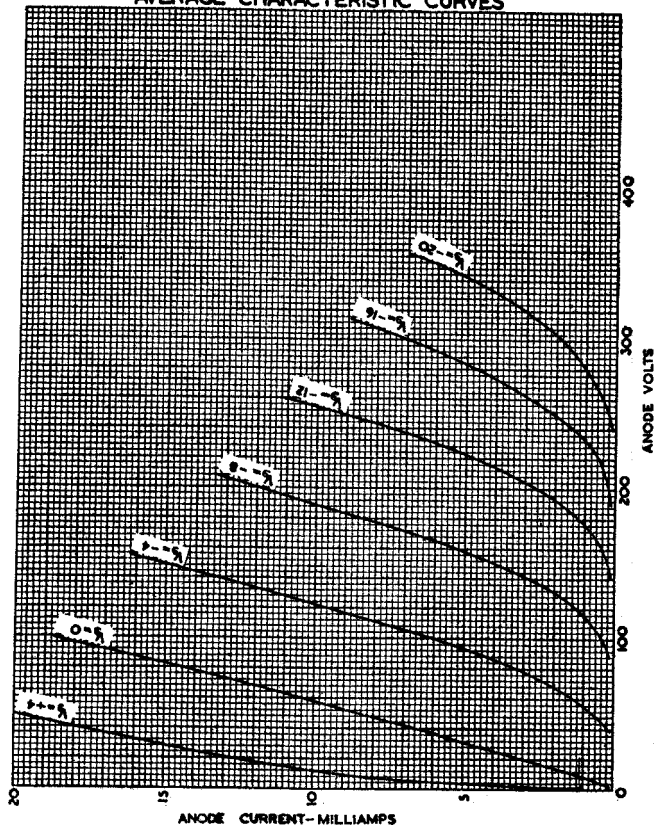
TELEVISION TWIN TRIODE

Indirectly heated—for parallel operation

REPLACEMENT TYPE



AVERAGE CHARACTERISTIC CURVES



Indicates a change ←

December 1958

VALVE & CRT DIVISION

Issue 2/2A

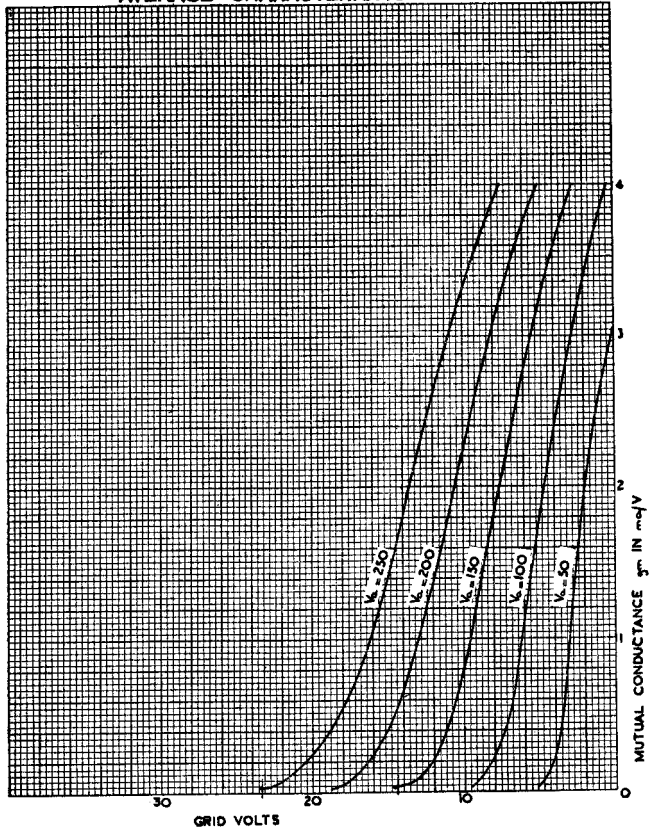
SIEMENS EDISON SWAN LIMITED

6L1

EDISWAN
MAZDA
6L1
 TELEVISION TWIN TRIODE
 Indirectly heated—for parallel operation
REPLACEMENT TYPE



AVERAGE CHARACTERISTIC CURVES



Indicates a change

December 1958

VALVE & CRT DIVISION

Issue 2/2A

SIEMENS EDISON SWAN LIMITED