

EDISWAN

MAZDA

20D1

DOUBLE DIODE (Separate Cathodes)
Indirectly heated—for series operation

REPLACEMENT TYPE

20D1

RATING

Heater Voltage (volts)	V_h	9.5
Heater Current (amps)	I_h	0.2
Maximum Mean Anode Current per Anode (mA)	$I_{a(av)max}$	9
Maximum Peak Anode Current per Anode (mA)	$I_{a(pk)max}$	50
Maximum Peak Inverse Anode Voltage (volts)	P.I.V.(max)	500
Maximum Potential Heater/Cathode (D.C. + A.C. peak with heater—ve) (volts)	$V_{h-k(max)}$	300

INTER-ELECTRODE CAPACITANCES (pF)*

		§	†
Anode 1/All other Electrodes	$c_{a'-all}$	3.4	4.5
Anode 1/Anode 2	$c_{a'-a''}$	0.018	0.021
Anode 1/Cathode 1	$c_{a'-k'}$	1.65	1.68
Anode 2/All other Electrodes	$c_{a''-all}$	3.4	4.5
Anode 2/Cathode 2	$c_{a''-k''}$	1.65	1.65
Cathode 1/All other Electrodes	$c_{k'-all}$	4.0	5.1
Cathode 1/Cathode 2	$c_{k'-k''}$	0.009	0.011
Cathode 2/All other Electrodes	$c_{k''-all}$	4.1	5.2
Cathode 2/Heater	$c_{k''-h}$	2.15	2.45
Cathode 1/Heater	$c_{k'-h}$	1.95	1.98

* Measured with a closely fitting metal can connected to earth.

§ Inter-electrode capacitance with holder capacitance balanced out.

† Total capacitance including a Benjamin B7G ceramic holder Type 75/833 and cylindrical screen Type 75/832. This holder has a radial shield between pins 1 and 7.

Indicates a change ←

October 1958

VALVE & CRT DIVISION

Issue 4/2A

SIEMENS EDISON SWAN LIMITED

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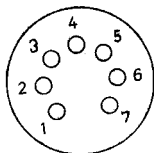
DIMENSIONS

Maximum Overall Length	(mm)	54
Maximum Diameter	(mm)	19
Maximum Seated Height	(mm)	47.5
Approximate Nett Weight	(ozs)	$\frac{1}{4}$
Approximate Packed Weight	(ozs)	$\frac{1}{2}$

MOUNTING POSITION—Unrestricted.

BULB—Clear

BASE—B7G



Viewed from free end of pins.

CONNECTIONS

Pin 1	Cathode 1	k'
Pin 2	Anode 2	a''
Pin 3	Heater	h
Pin 4	Heater	h
Pin 5	Cathode 2	k''
Pin 6	Internal Shield	s
Pin 7	Anode 1	a'

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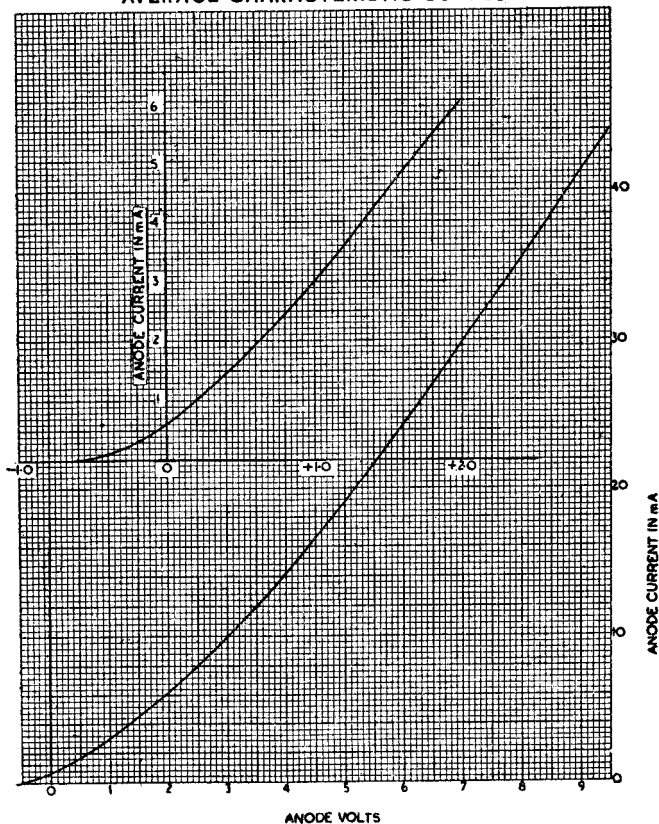
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AVERAGE CHARACTERISTIC CURVES



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