

EDISWAN

MAZDA

10D2

10D2

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

RATING

Heater Voltage (volts)	V_h	19
Heater Current (amps)	I_h	0.1
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)	$V_{h-k(max)}$	150

INTER-ELECTRODE CAPACITANCES *

		‡	†
Anode 1/All other Electrodes ($\mu\mu F$)	$C_{a'-all}$	3.4	4.5
Anode 1/Anode 2 ($\mu\mu F$)	$C_{a'-a''}$	0.018	0.021
Anode 1/Cathode 1 ($\mu\mu F$)	$C_{a'-k'}$	1.65	1.68
Anode 2/All other Electrodes ($\mu\mu F$)	$C_{a''-all}$	3.4	4.5
Anode 2/Cathode 2 ($\mu\mu F$)	$C_{a''-k''}$	1.65	1.65
Cathode 1/All other Electrodes ($\mu\mu F$)	$C_{k'-all}$	4.0	5.1
Cathode 1/Cathode 2 ($\mu\mu F$)	$C_{k'-k''}$	0.009	0.011
Cathode 2/All other Electrodes ($\mu\mu F$)	$C_{k''-all}$	4.1	5.2
Cathode 2/Heater ($\mu\mu F$)	$C_{k''-h}$	2.5	2.8
Cathode 1/Heater ($\mu\mu F$)	$C_{k'-h}$	2.27	2.3

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

‡ Inter-electrode capacitance with holder capacitance balanced out.

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

DIMENSIONS

Maximum Overall Length (mm)	54
Maximum Diameter (mm)	19
Maximum Seated Height (mm)	47.5
Approximate Nett Weight (ozs)	1.4
Approximate Packed Weight (ozs)	2

MOUNTING POSITION - Unrestricted.

May 1956

VALVE & CRT DIVISION

Issue 1/2

SIEMENS EDISON SWAN LIMITED

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BULB - Clear

BASE - B.7.G.



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'