MAZDA

31C2

6" MAGNETIC ALUMINISED CATHODE RAY TUBE

Indirectly heated—for Radio D.F. Compass (High Brightness Level)

RATING		
Heater Voltage (volts)	Vh	4.0
Heater Current (amps)	۱ _h	0.72
Maximum Anode Voltage (volts)	$V_{a(max)}$	*000,01
Minimum Anode Voltage (volts)	$V_{a(min)}$	7,500

*The maximum rating of I0kV is a design centre rating. The absolute rating of I2.5 kV maximum must not be exceeded.

INTER-ELECTRODE CAPACITANCES (pF)§

Grid 1/all other electrodes	c _{g,all}	4.7
Cathode/all other electrodes	c _{k,all}	5.3

§These capacitances include a "Cinch" wafer type duodecal holder.

DIMENSIONS

Maximum Overall Length (mm)	468
Maximum Face Diameter (mm)	160
Maximum Neck Diameter (mm)	35
Approximate Nett Weight (lbs)	21/4
Approximate Packed Weight (lbs)	161

NOTES

The 3IC2 Cathode Ray Tube has a concave face treated to reduce specular reflection and has an internal compass scale uniformly graduated. The 3IC1 and 3IC2 differ only in the manner of scale graduation.

Industrial

October, 1957

VALVE & CRT DIVISION

Issue 1/3

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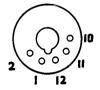
TYPICAL OPERATION		
Anode Voltage (volts)	V_a	9,500
Negative Grid Bias for cut-off of		
140mm focused line (volts)	v_g	4 3–93
Average peak to peak modulating voltage for modulation up up to $150\mu A$ (volts)		30
Maximum peak to peak modu-		
lating voltage for modulation up to 150 μ A (volts)		35

The heater and cathode should be connected at the same DC potential. In the case of cathode modulation it is recommended that a resistance not exceeding 100,000 ohms should be inserted between heater and cathode.

The anode circuit should include a resistance which will limit the discharge current to 100 mA max, in the event of a flash-over inside the tube.

BASE-BI2A

3102



Viewed from free end of pins.

CAP. Cavity C.T. 8.

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SIEMENS EDISON SWAN LIMITED

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VALVE HOLDER-Ediswan Clix VH93/5, VH92/7, VH92/12

CONNECTIONS

Pin I	Heater	h
Pin 2	Control Grid	g
Pin 3	No Pin	NP
Pin 4	No Pin	NP
Pin 5	No Pin	NP
Pin 6	No Pin	NP
Pin 7	No Pin	NP
Pin 8	No Pin	NP
Pin 9	No Pin	NP
Pin 10	No Internal Connection	N.C.
Pin II	Cathode	k
Pin 12	Heater	h
CAP	Anode	a

3/0