

EDISWAN

MAZDA

30D5

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CATHODE RAY TUBE—LONG AFTERGLOW 9" Dia.
Indirectly heated—for Marine Radar

RATING

Heater Voltage (volts)	Vh	4.0
Heater Current (amps)	Ih	0.75
Maximum 1st Anode Voltage (volts)	Va1(max)	1,700
Maximum 2nd Anode Voltage (volts)	Va2(max)	1,700
Maximum 3rd Anode Voltage (volts)	Va3(max)	9,000

DIMENSIONS

Maximum Overall Length (mm)	462
Maximum Diameter (mm)	228
Nominal Screen Diameter (inches)	9

NOTES

The 30.D.5 is a 9" cathode ray tube, having a special long-afterglow screen, suitable for P.P.I display. A double layer type screen is employed which gives a blue flash with a yellow afterglow. The focussing is electrostatic and the deflection magnetic.

The 1st anode must always be at least 50 volts positive with respect to the 2nd anode.

All maximum ratings are Absolute values not Design Centres.

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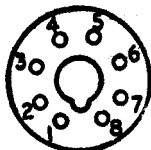
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TYPICAL OPERATION

3rd Anode Voltage (volts)	Va3	8,000
2nd Anode Voltage—approximate for focus (volts)	Va2	1,300
1st Anode Voltage (volts)	Va1	1,350
Negative Bias on Control Grid for cut-off of Beam Current (volts)	Vg	-70

BASE. International Octal (I.O.8)



VIEWED FROM FREE END OF PINS

CONNECTIONS

Pin 1	Blank	
Pin 2	Anode 1	a1
Pin 3	Anode 2	a2
Pin 4	Blank	-
Pin 5	Control Grid	g
Pin 6	Cathode	k
Pin 7	Heater	h
Pin 8	Heater	h
Top Cap	Anode 3	a 3