MAZDA

30C8

CATHODE RAY TUBE–ALL ELECTROSTATIC 7" Dia.

Indirectly heated–for Radio D.F. Compass

RATING

Heater Voltage (volts)	Vh	4.0
Heater Current (amps)	Ih	0.72
Maximum 1st Anode Voltage (volts)	Va1(max)	500
Maximum 2nd Anode Voltage (volts)	Va2(max)	1,000
Maximum 3rd Anode Voltage (volts)	Va3(max)	4,000
Average Sensitivity of "X" Plates (mm/V)		†520/V
Average Sensitivity of "Y" Plates (mm/V)		†520/V

† Where "V" denotes the voltage on the 3rd Anode.

INTER-ELECTRODE CAPACITANCES

XE Deflecting Plate/All other electrodes (μμF)	Cxe,all	14.6
XW Deflecting Plate/All other electrodes (μμF)	Cxw,all	14.0
YN Deflecting Plate/All other electrodes (μμF)	Cyn,all	14.9
YS Deflecting Plate/All other electrodes (μμF)	Cys,all	13.8
XE Deflecting Plate/XW Deflecting Plate (μμF)	Cxe,xw	4.5
YN Deflecting Plate/YS Deflecting Plate (μμF)	Cyn,ys	4.4
XE+XW Deflecting Plates/YN+YS Deflecting Plates (μμF)	C(xe+xw) -(yn+ys)	2.7
Control Grid (Wehnelt)/All other electrodes (μμF)	Cg,all	8.6

DIMENSIONS

Maximum Overall Length (mm)	495
Maximum Diameter (mm)	175
Nominal Screen Diameter (inches)	7
Approximate Nett Weight (lbs)	2¼
Approximate Packed Weight (lbs)	11¼

NOTES

This is a Cathode Ray Tube with a compass scale affixed externally to the face of the screen. It is a precision contructed and calibrated instrument which provides bearings with an error not exceeding 1% at any point on the scale while the four cardinal bearings, N, S, E, W, are accurate to ±0.25°. ←

Normally the tube is supplied with a green phosphor (P1) having medium persistence characteristics. Other phosphors (see Introductory Page 1. to this section) and scale arrangements can be supplied by special arrangement.

The gun system is capable of providing the high beam currents required for "Pulse D.F."

All maximum ratings are absolute values not design centres. ←

Indicates a change ←