## MONITOR TUBE

The M24-101W is a 24 cm -diagonal rectangular television tube with integral protection primarily intended for use as a monitor or display tube.

## QUICK REFERENCE DATA

| Deflection angle | $90^{\circ}$ |  |
| :--- | :---: | :---: |
| Focusing | clectrostatic |  |
| Resolution | 900 | ines |
| Overall length | $\leq$ | 260 |

## SCREEN

Metal backed phosphor

| Luminescence |  | white |  |
| :--- | :--- | :---: | :---: |
| Light transmission of face glass |  | 52 | $\%$ |
| Useful diagonal | $\geq 225$ | mm |  |
| Useful width | $\geq 190$ | mm |  |
| Useful height | $\geq 140$ | mm |  |

## HEATING

Indirect by a.c. or d.c.; parallel supply
Heater voltage
Heater current

## FOCUSING



For focusing voltage providing optimum focus at a beam current of $100 \mu \mathrm{~A}$ see under 'Typical operating conditions'.
DEFLECTION
magnetic

Diagonal deflection angle
$90^{\circ}$
Horizontal deflection angle
$80^{\circ}$Vertical deflection angle
$65^{\circ}$
Deflection coil AT1071/03 is recommended.

Dimensions in mm

$\square$

Notes see page 4



Notes see page 4.

## MECHANICAL DATA (continued)

Mounting position : any

## Base

Cavity contact
Accessories
Socket
Final accelerator contact connector

## PICTURE CENTRING MAGNET

Field intensity perpendicular to the tube axis adjustable from 0 to $800 \mathrm{~A} / \mathrm{m}(0$ to 10 Oe$)$. Adjustment of the centring magnet should not cause a general reduction in brightness or shading of the raster

## NOTES TO OUTLINE DRAWINGS

1) The reference line is determined by the plane of the upper edge of the flange of the reference line gauge with the gauge resting on the cone.
2) The maximum dimension is determined by the reference line gauge.
3) This tube has an external conductive coating ( $m$ ), which must be earthed. The capacitance of this coating to the final accelerator is used for smoothing the EHT. The tube marking and warning labels are on the side of the cone opposite the final accelerator contact, and this side should not be used for making contact to the condúctive coating.
4) This area must be kept clean.
5) Minimum space to be reserved for mounting lugs.
6) The mounting screws in the cabinet must be situated within a circle with a diameter of 4 mm drawn around the true geometrical position (corners of a rectangle of $207,4 \mathrm{~mm}$ x $158,5 \mathrm{~mm}$ ).
${ }^{7}$ ) The maximum displacement of any lug with respect to the plane through the other three lugs is 2 mm .
7) The metal rim-band must be earthed. The hole of $2,5 \mathrm{~mm}$ diameter in each lug is provided for this purpose.
8) The bulge at the spliceline seal may increase the indicated maximum values for envelope width, diagonal and height by not more than $6,4 \mathrm{~mm}$, but at any point around the seal the bulge will not protrude more than $3,2 \mathrm{~mm}$ beyond the envelope surface

Neo eightar (B8H), IEC 67-I-31a CT8, IEC67-III-2

242250106001

