

## MONITOR TUBE

The M38-121 is a 38 cm-diagonal rectangular television tube with metal backed screen and integral protection primarily intended for use as a monitor or display tube.

## QUICK REFERENCE DATA

Deflection angle	110°	
Focusing	electrostatic	
Resolution	min. 650	lines
Overall length	max. 279,5	mm

## SCREEN

Metal backed phosphor

Luminescence white

Light transmission of face glass 50 %

Useful diagonal min. 350 mm

Useful width min. 290 mm

Useful height min. 226 mm

## HEATING

Indirect by a.c. or d.c. ; parallel or series supply

Heater voltage  $V_f$  6,3 V

Heater current  $I_f$  300 mA

## FOCUSING

electrostatic

For focusing voltage providing optimum focus at screen centre at a beam current of 100  $\mu$ A see under "Typical operating conditions".

## DEFLECTION

magnetic

Diagonal deflection angle 110°

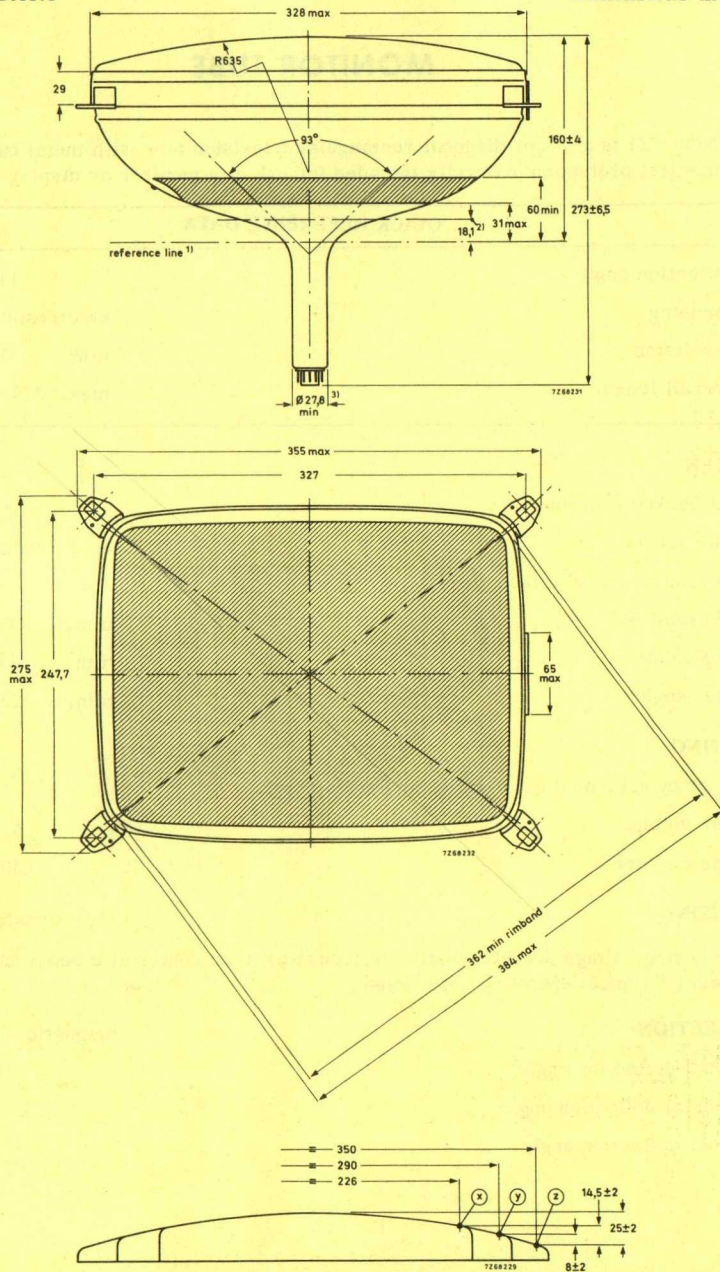
Horizontal deflection angle 93°

Vertical deflection angle 76°

Blue Binder, Tab 4

MECHANICAL DATA

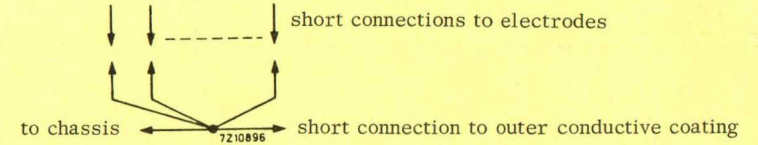
Dimensions in mm



REMARK

With the high voltage used with this tube internal flash -overs may occur. These may destroy the cathode of the tube. Therefore it is necessary to provide protective circuits, using spark gaps.

The spark gaps must be connected as follows:



No other connections between the outer conductive coating and the chassis are permissible.

On request the tube can be supplied with spark traps mounted in the base (ring trap base).