

INSTRUMENT CATHODE-RAY TUBE**development sample data**

Development samples are distributed without guarantee for further supply. Development sample data represent the characteristics and ratings of development samples and are to be regarded as first indications of the ultimate performance to be achieved by the product in preparation.

INSTITUTIONAL RECORDS

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INSTRUMENT CATHODE-RAY TUBE

14 cm diagonal, rectangular flat faced oscilloscope tube with mesh and metal backed screen.

QUICK REFERENCE DATA			
Final accelerator voltage	$V_{g_6(\ell)}$	10	kV
Display area		100 x 80	mm ²
Deflection factor, horizontal	M_x	approx. 16	V/cm
vertical	M_y	approx. 4	V/cm

SCREEN

	colour	persistence
D14-12GH	green	medium short

Useful screen dimensions min. 100 x 80 mm²

Useful scan at $V_{g_6(\ell)}/V_{g_2, g_4} = 6.5$

horizontal min. 100 mm

vertical min. 80 mm

HEATING: Indirect by A.C. or D.C.; parallel supply

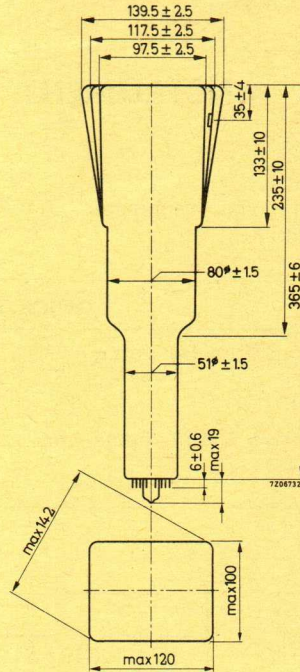
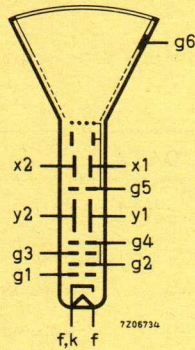
Heater voltage V_f 6.3 V

Heater current I_f 300 mA

7Z2 7543

MECHANICAL DATA

Dimensions in mm



CONNECTIONS INDICATED ON SAMPLES

Mounting position: any

The tube should not be supported by the base alone and under no circumstances should the socket be allowed to support the tube.

Dimensions and connections

See also outline drawing

Overall length (socket included)	max.	390	mm
Face dimensions	max.	100 x 120	mm ²
<u>Net weight</u>	approx.		g

Base 14 pin all glass

Accessories

Socket	type	55566
Final accelerator contact connector	type	55563
Mu-metal shield	type	

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NOTES

1. This tube is designed for optimum performance when operating at the ratio $V_{g6(\ell)}/V_{g2, g4} = 6$. Operation at other ratio may result in changes in deflection uniformity and geometry distortion. The geometry control electrode voltage should be adjusted for optimum performance.
For any necessary adjustment its potential will be within the stated range.
2. The astigmatism control electrode voltage should be adjusted for optimum spot shape. For any necessary adjustment its potential will be within the stated range.

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