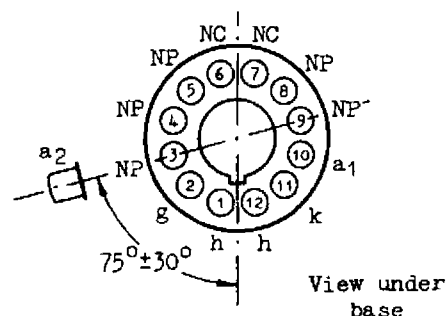


A diagram of a cross-section of a plant stem. It shows a central vascular cylinder surrounded by a cortex. Labels include 'a2' and 'a1' pointing to specific vascular bundles, 'g' pointing to the ground tissue, and 'h' and 'k' pointing to other structural features.



GENERAL DATA

Fluorescent Colour of Screen	white
Focus	magnetic
Deflection	magnetic
Deflection Angle (for diameter of 290 mm)	60 degrees
Ion Trap	magnetic
Weight (approx.)	8½ lbs.
Mounting Position	- Any, except vertical with screen uppermost

CATHODE DATA

Indirectly heated - series or parallel operation			
Heater Voltage	V_h	6.3	V
Heater Current	I_h	0.3	A
Heater Voltage Switching Surge must not exceed 8.5 volts			

CAPACITANCES

Grid/All other electrodes	cg,all	6	pF
Cathode/All other electrodes	ck,all	5	pF
Anode No.2/External coating	ca2,M	approx. 2,000	pF

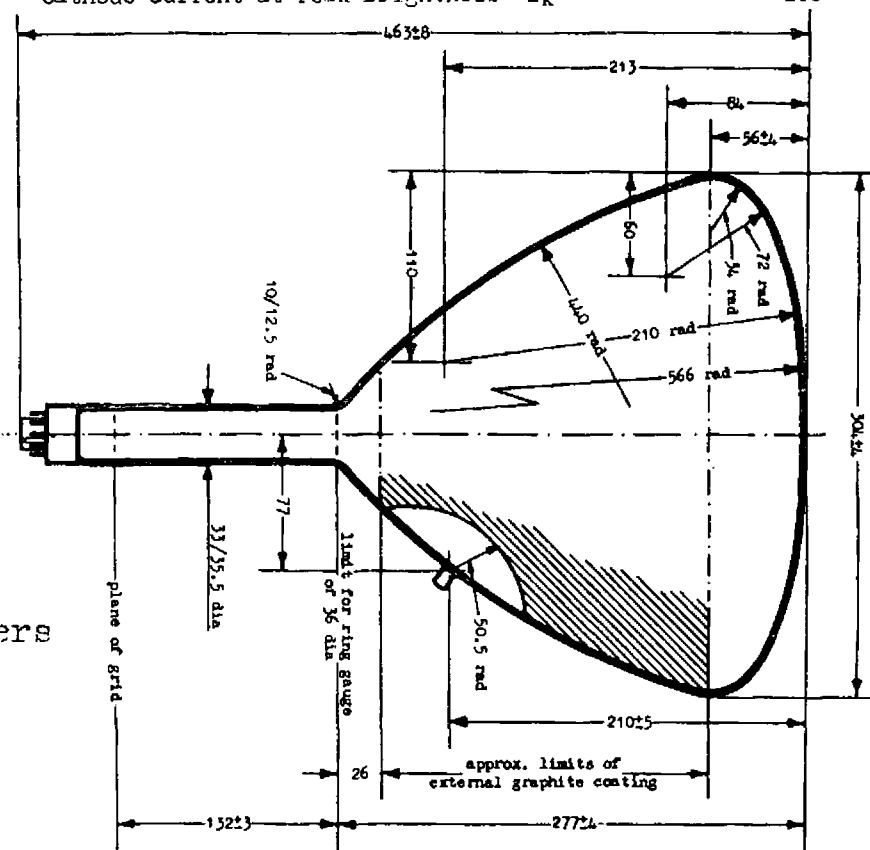
All dimensions in millimeters

RATINGS

Max. Anode No.2 Voltage	V_{a2} max.	9	KV
Max. Anode No.1 Voltage	V_{a1} max.	$0.038 \times V_{a2}$	V
Min. Grid Voltage	V_g min.	-1	V
Max. Grid Voltage (Visual cut-off)	V_g max.	$-0.24 \times V_{a1}$	V
Max. Mean Cathode Current	$I_k(av)$ max.	200	μA
Max. Peak Heater/Cathode Voltage (heater negative to cathode)	$v_{h,k(pk)}$ max.	150	V
Max. Grid Resistor	$R_{g,k}$ max.	1	M Ω

TYPICAL OPERATION

Anode No.2 Voltage	V_{a2}	8	KV
Anode No.1 Voltage	V_{a1}	250	V
Grid Drive for Peak Brightness	V_g change	30	V
Peak Brightness for 200-line Raster of size 280 x 210 mm	$B(pk)$	22	efc
Approx. Field Strength for Focus at Peak Brightness		280	Gauss
Cathode Current at Peak Brightness	I_k	200	μA



Electronic Tubes Ltd.

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