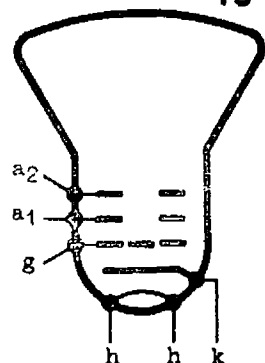
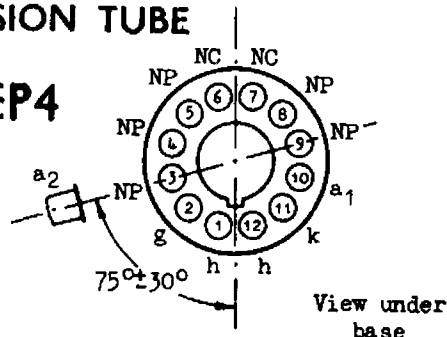


15" TELEVISION TUBE

15EP4



BASE - B12A - Duodecal
CAP - C.T.2. (9 mm)

GENERAL DATA

Fluorescent Colour of Screen	white
Focus	magnetic
Deflection	magnetic
Deflection Angle (for diameter of 340 mm)	52 degrees
Ion Trap	magnetic
Weight (approx.)	12½ 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	$C_{g,all}$	6.5	pF
Cathode/All other electrodes	$C_{k,all}$	5.5	pF
Anode No.2/External coating	$C_{a2,M}$	500/2,000	pF

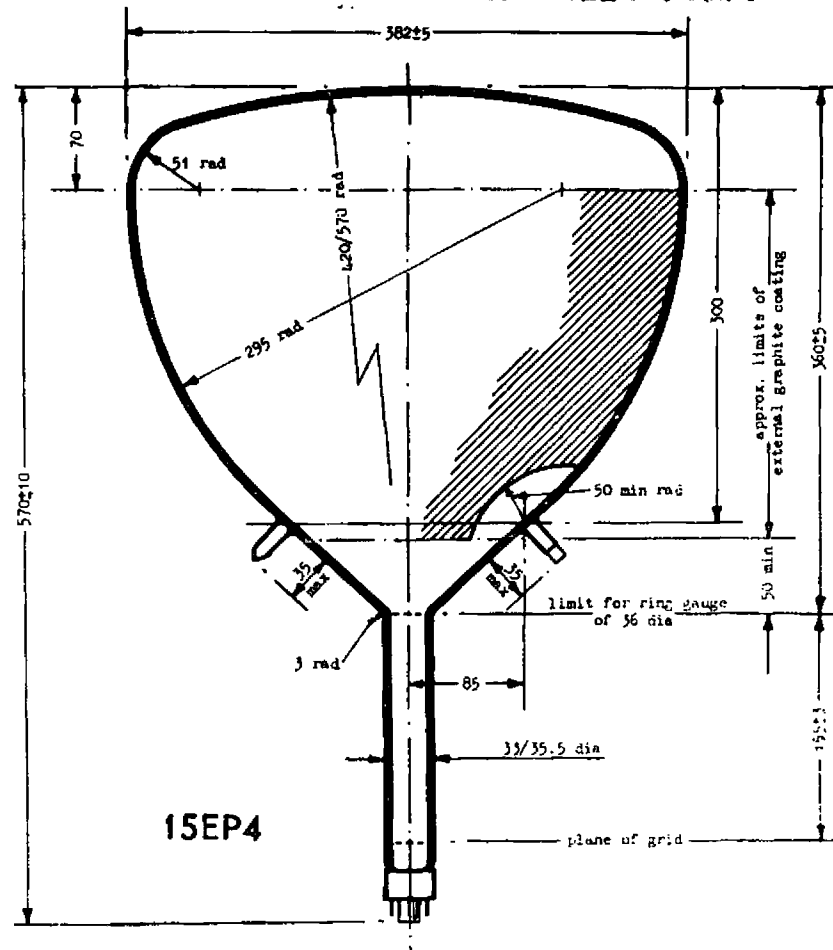
RATINGS

Max. Anode No.2 Voltage	$V_{a2} \text{ max.}$	10	KV
Max. Anode No.1 Voltage	$V_{a1} \text{ max.}$	$0.038 \times V_{a2}$	V
Min. Grid Voltage	$V_g \text{ min.}$	-1	V
Max. Grid Voltage (Visual cut-off)	$V_g \text{ max.}$	$-0.24 \times V_{a1}$	V
Max. Mean Cathode Current	$I_{k(av)} \text{ max.}$	275	μA
Max. Peak Heater/Cathode Voltage (heater negative to cathode)	$V_{h,k(pk)} \text{ max.}$	150	V
Max. Grid Resistor	$R_{g,k} \text{ max.}$	1	MΩ

TYPICAL OPERATION

Anode No.2 Voltage	V_{a2}	9	KV
Anode No.1 Voltage	V_{a1}	250	V
Grid Drive for Peak Brightness	$V_g \text{ change}$	30	V
Peak Brightness for 200-line Raster of size 315 x 255 mm	$B(pk)$	22	efc
Approx. Field Strength for Focus at Peak Brightness		280	Gauss
Cathode Current at Peak Brightness	I_k	275	μA

All dimensions in millimeters



15EP4

Electronic Tubes Ltd.