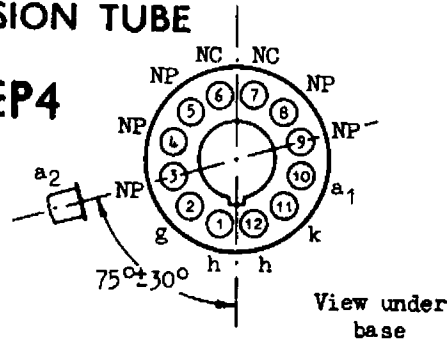
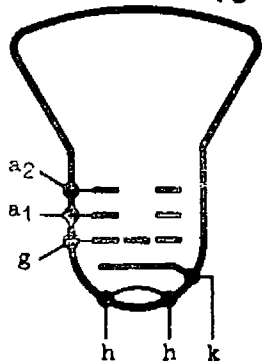


# 15" TELEVISION TUBE

## I5EP4



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.)	12 3/4 lbs.
Mounting Position	- Any, except vertical with screen uppermost

### CATHODE DATA

Indirectly heated - series or parallel operation			
Heater Voltage	V <sub>h</sub>	6.3	V
Heater Current	I <sub>h</sub>	0.3	A
Heater Voltage Switching Surge must not exceed 8.5 volts			

### CAPACITANCES

Grid/All other electrodes	C <sub>g,all</sub>	6.5	pF
Cathode/All other electrodes	C <sub>k,all</sub>	5.5	pF
Anode No.2/External coating	C <sub>a2,M</sub>	500/2,000	pF

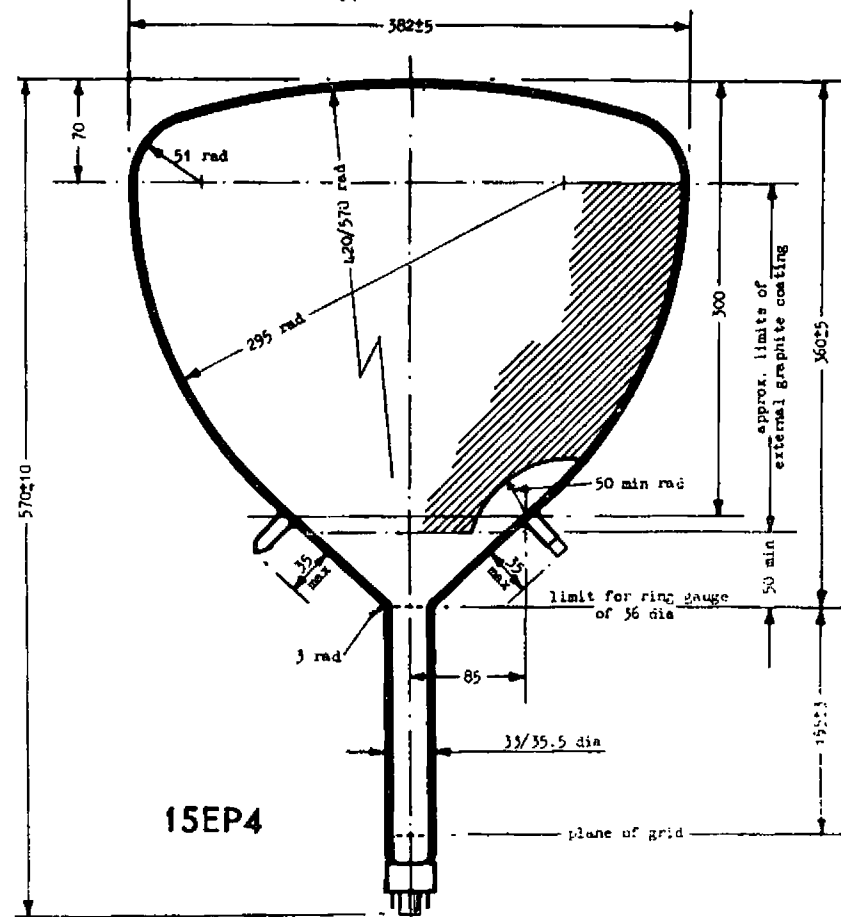
### RATINGS

Max. Anode No.2 Voltage	V <sub>a2</sub> max.	10	KV
Max. Anode No.1 Voltage	V <sub>a1</sub> max.	0.038 x V <sub>a2</sub>	V
Min. Grid Voltage	V <sub>g</sub> min.	-1	V
Max. Grid Voltage (Visual cut-off)	V <sub>g</sub> max.	-0.24 x V <sub>a1</sub>	V
Max. Mean Cathode Current	I <sub>k(av)</sub> max.	275	μA
Max. Peak Heater/Cathode Voltage (heater negative to cathode)	V <sub>h,k(pk)</sub> max.	150	V
Max. Grid Resistor	R <sub>g,k</sub> max.	1	MΩ

### TYPICAL OPERATION

Anode No.2 Voltage	V <sub>a2</sub>	9	KV
Anode No.1 Voltage	V <sub>a1</sub>	250	V
Grid Drive for Peak Brightness	V <sub>g</sub> 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 <sub>k</sub>	275	μA

All dimensions in millimeters



Electronic Tubes Ltd.