

17ASP4 17" RECTANGULAR TELEVISION TUBE

Release No. 1209

GENERAL DATA

Fluorescent Colour of Screen	white
Focus	magnetic
Deflection	magnetic
Deflection Angle (for diagonal of 391 mm)	70 degrees
Ion Trap	magnetic
Weight (approx.)	16½ 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

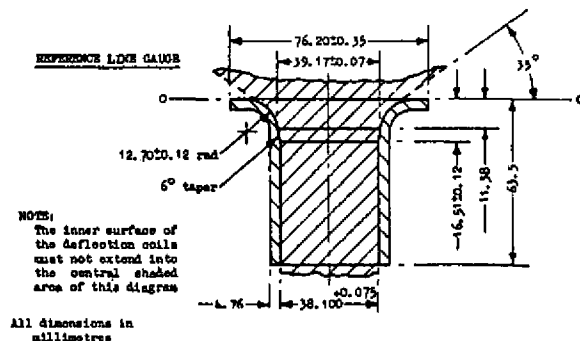
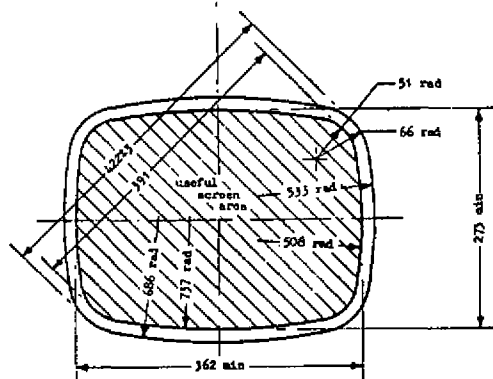
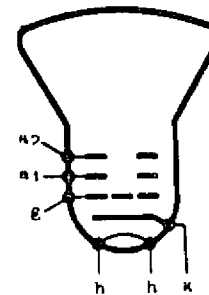
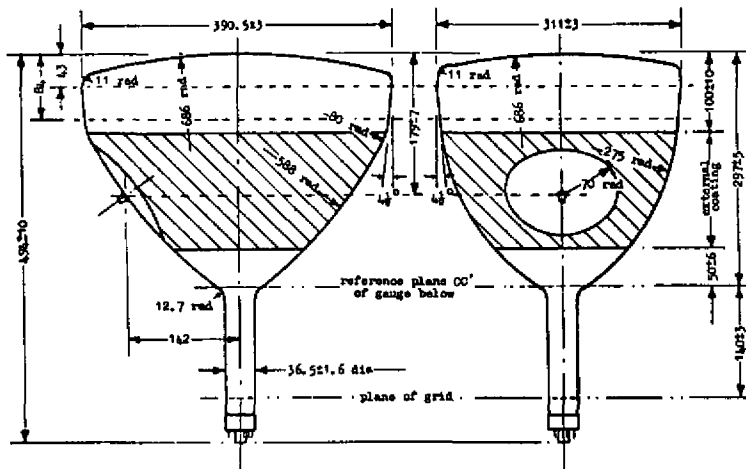
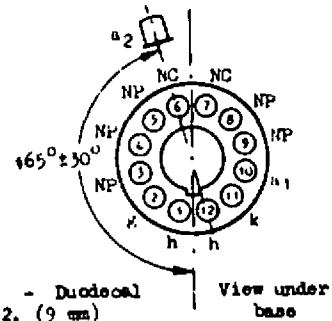
Grid/All other electrodes	$c_{g,all}$	6.5	pF
Cathode/All other electrodes	$c_{k,all}$	5.5	pF
Anode No.2/External coating	$c_{a2,M}$	1,100	pF

RATINGS

Max. Anode No.2 Voltage	$V_{a2} \text{ max.}$	14	KV
Max. Anode No.1 Voltage	$V_{a1} \text{ max.}$	410	V
Min. Anode No.1 Voltage	$V_{a1} \text{ min.}$	200	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. 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}	12	KV
Anode No.1 Voltage	V_{a1}	250	V
Grid Drive for Peak Brightness	$V_g \text{ change}$	30	V
Peak Cathode Current	$i_k(pk)$	220	μA



Electronic Tubes Ltd.
 Kingsmead Works
 High Wycombe, Bucks,
 England