14KP4A

Release No. 1209

14" RECT. GREY FACE TELEVISION TUBE

GENERAL DATA

Fluorescent Colour of Screen	white
Light Transmission of Grey Face	approx. 66%
Focus	magnetic
Deflection	magnetic
Deflection Angle (for diagonal of 319 mm)	70 degrees
Ion Trap	magnetic
Weight (approx.)	9½ 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

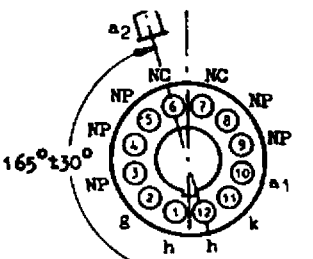
Grid/All other electrodes	$c_{g,all}$	6.5	pF
Cathode/All other electrodes	$c_{k,all}$	5.5	pF
Anode No.2/External coating	$c_{a2,M}$	1,200	pF

RATINGS

Max. Anode No.2 Voltage	V_{a2} max.	14	KV
Max. Anode No.1 Voltage	V_{a1} max.	410	V
Min. Anode No.1 Voltage	V_{a1} min.	200	V
Min. Grid Voltage	V_g min.	-1	V
Max. Grid Voltage (Visual cut-off)	V_g max.	-0.24 x V_{a1}	V
Max. Peak Heater/Cathode Voltage (heater negative to cathode)	$V_{h,k(pk)}$ max.	150	V
Max. Grid Resistor	$R_{g,k}$ max.	1	MΩ

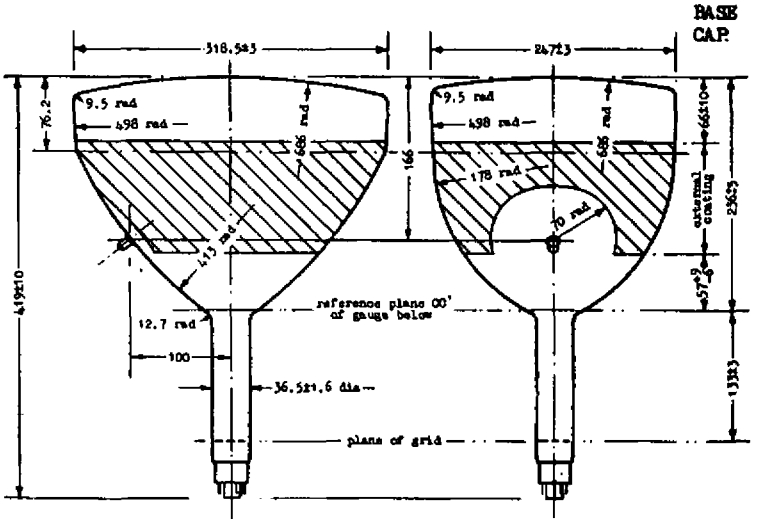
TYPICAL OPERATION

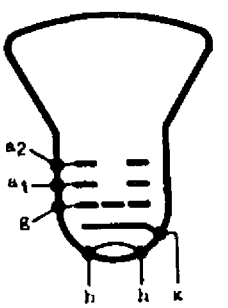
Anode No.2 Voltage	V_{a2}	12	KV
Anode No.1 Voltage	V_{a1}	250	V
Grid Drive for Peak Brightness	V_g change	30	V
Peak Cathode Current	$i_{k(pk)}$	195	μA

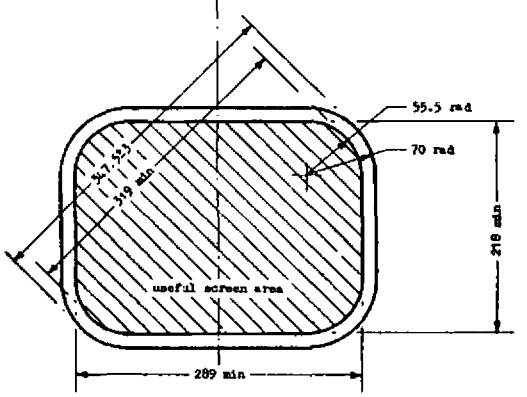


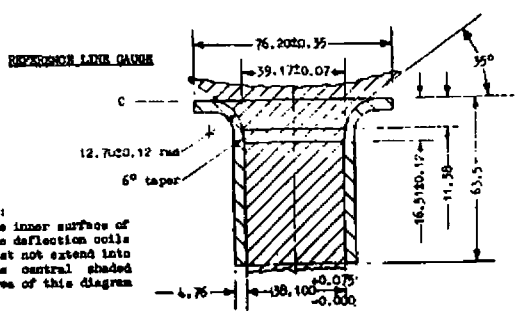
BASE - B12A - Duodecal
CAP - C.T.2. (9 mm)

View under base









NOTE:
The inner surface of the deflection coils must not extend into the central shaded area of this diagram

All dimensions in millimetres

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