

VALVE ELECTRONIC CV 2794

GENERAL POST OFFICE: E-IN-C ()

Specification: G.P.O./CV 2794/Issue 1 Dated: June, 1953. To be read in conjunction with K 1001	<table border="1"> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td><u>Specification</u></td><td><u>Valve</u></td></tr> <tr> <td>Unclassified</td><td>Unclassified</td></tr> </table>	SECURITY		<u>Specification</u>	<u>Valve</u>	Unclassified	Unclassified
SECURITY							
<u>Specification</u>	<u>Valve</u>						
Unclassified	Unclassified						

—————> indicates a change

Type of Valve: Cathode Ray Tube		<u>MARKING</u>		
Type of deflection: Electrostatic		See K 1001/4		
Screen: GG6				
Prototype: C 10SS/2G				
Rating		Note	Dimensions	
			See drawing page 3	
Heater Voltage	(V) 2.0		Base	
Heater Current	(A) 1.7		Special, wired in	
Max. A2 Voltage	(kV) 2.0		Connections	
Max. A1 Current	(uA) 300		Pin	Electrode
1st Anode Voltage	(V) 100 to 250		1	X1 plate
2nd Anode Voltage	(kV) 0.8 to 2.0		2	Cathode
Control grid Voltage	(V) 0 to -25		3	Grid
Sensitivity	(mm/V) 140/Va2		4	Y2 plate
			5	Anode 1
			6	X2 plate
		7	Heater	
		8	Heater	
		9	Y1 plate	
		10	Anode 2	
Capacitances (pF)			Packing	
X1 - X2	7.5		See K 1005	
Y1 - Y2	0.7			
X1 - All others	3.6			
Y1 - All others	3.7			
Grid - all others	3.8			

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Tests

To be performed in addition to those applicable in K 1001

Test Conditions						Test	Limits		No. Test- ed	
	Vh (V)	Va1 (V)	Va2 (V)	Vg (V)	Ic (mA)		Min.	Max.		
a	2.0	-	-	-	-	Ih (A)	1.4	2.0	100%	
b	2.0	Adjust	1000	Adjust to cut-off Ic		Vg (V)	-	-30	100%	
c	2.0	Adjust	1000	Adjust	35	Vg (V)	-2.5	-	100%	
d	2.0	Adjust	1000	Adjust	-	Deviation of spot from centre of screen (mm)	-	4	100%	
e	2.0	Adjust	1000	Adjust	-	Angle between X and Y axis of deflection	85°	95°		
f	2.0	Adjust	2000	0	-	Emission (μA)	40	-		

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