

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	<u>SECURITY</u>	
	<u>Specification</u> Unclassified	<u>Valve</u> Unclassified

→ indicates a change

Type of Valve: Cathode Ray Tube Type of deflection: Electrostatic Screen: GG6 Prototype: C 10SS/2G		<u>MARKING</u> See K 1001/4	
Rating		Note	
Heater Voltage (V) 2.0 Heater Current (A) 1.7 Max. A2 Voltage (kV) 2.0 Max. A1 Current (uA) 300 1st Anode Voltage (V) 100 to 250 2nd Anode Voltage (kV) 0.8 to 2.0 Control grid Voltage (V) 0 to -25 Sensitivity (mm/V) 14.0/Va2		Dimensions: See drawing page 3	
Capacitances (pF) X1 - X2 7.5 Y1 - Y2 0.7 X1 - All others 3.6 Y1 - All others 3.7 Grid - all others 3.8		Base Special, wired in	
		Connections	
		Pin	Electrode
		1	X1 plate
		2	Cathode
		3	Grid
		4	Y2 plate
		5	Anode 1
		6	X2 plate
		7	Heater
		8	Heater
		9	Y1 plate
		10	Anode 2
		Packing See K 1005	

CV2794

Tests

To be performed in addition to those applicable in K 1001

	Test Conditions					Test	Limits		No. Tested
	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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