VALVE ELECTRONIC CV 1612

GENERAL POST OFFICE: E-IN-C (W)

(POVT 19)

Specification: G.P.O./CV1612/Issue 2	SECURITY			
Dated: 13-5-48	Specification	Valve		
To be read in conjunction with K 1001	Restricted	Restricted		

______ indicates a change

TYPE OF VALVE: Transmitting triode CATHODE: Directly heated thori ENVELOPE: Unmetallised glass, d PROTOTYPE VT9B	MARKING See KlCOl/4 Additional markings required (See Notes A & B) Serial No				
RATING		Note	No	ASE one VEXTONS	
	As Marked 15.5 12.5 800.0 50.0 30,000 s) 10.0	B D D	CONNEXIONS The anode lead shall be brought out at the opposite end of the valve from the filament leads. Grid connection to be positions as K1001/A1/D3, but a lead only required. All leads shall be suitably insulated and the loosends shall be not less than 12 inches in length.		
			DIMENSI See Klool/ Dimension A (nm) B (mm) C (mm) PACKI See Klool/7.	Min.	Max. 420 185 75

NOTES

- A. The Serial Numbers will be allotted by the Inspecting Officer
- B. The Marked Voltage is defined on page 2, test (a)
- C. It is not essential that the additional markings shall appear within the frame
- D. Measured with Va = 8 kV, and Ia = 90 mA.

CV 1612

Table I (for A.C. filament heating)

	TEST CONDITIONS				TEST	Limits		No.	
	Vf(V)	Va(kV)	Vg(V)	Ia(mA)		Min.	Max.	Tested	Note
(a)	Read	-		-	Vf required for filament current of 15.5A To be known as "Marked Voltage" (V)	14.5	16.5	100%	
(ъ)	M.V.	10	Read	100	Reverse Ig (µA)	with	45.0	100%	2
(c)	м.V.	4 8	Adjust	90	р	45.0	55. 0	100%	
(a)	м.∨.	6	-	Read	Ia (mA)	100.0	140.0	100%	

Table II (for D.C. filament heating)

		TEST CONDITIONS				Test	LIMITS		No.	
		Vf(V)	Va(kV)	Vg(V)	Ia(mA)		Min.	Max.	Tested	Note
	(a)	Read	-	-	- .	Vf required for filament current of 15.5A To be known as "harked Voltage" (V)	14.5	16.5	100%	
>	(b)	M.V.	10	Read	100	Reverse Ig (yA)	-	45.0	100%	1
	(c)	M.V.	4 8	Adjust	90	μ	45.0	55.0	100%	
>	(a)	M.V.	6	7.5	Read	Ia (mA)	100.0	140.0	100%	

NOTE

1. The duration of test (b) shall be 15 minutes and the reverse grid current shall not be rising at the end of the test.