SPECIFICATION CV 1626

ISSUE NO. 3. DATED 13TH MAY, 1948

AMENDMENT No. 1

Page 1. Dimensions

"A" dimension, Max. limit changed to 139 mm.

Page 2. Test (a)

Amend Heater current Min. limit to read 2.3A instead of 2.5A.

June, 1959.

T.V.C.
for G.P.O.

N.70635

VALVE ELECTRONIC CV1626

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

(PCVT 166)

Specification: G.P.O./CV1626/Issue 3 Dated: 13-5-48 To be read in conjunction with K 1001	SECURITY Specification: Restricted Valve: Restricted

→ indicates a change

TYPE OF VALVE: Mercury-vapour rectifier
CATHODE: Directly heated
ENVELOPE: Unmetallised glass
→ PROTOTYPE RG1 - 24C

MARKING

See K1001/4.

RATING			Note
Filament voltage	(V)	4.0	
Nominal filament current	(A)	2.7	
Max. peak inverse voltage	(V)	4700	
Max. peak anode current	(A)	1.25	
Max. average anode current	(A)	0.25	
Nominal voltage drop	(V)	16	
Anode voltage delay	(minutes)	1.0	A

BASE

British 4-pin (B4)

CONNEXIONS

Pin	Electrode
1	No connection
2	No connection
3	Filament
4	Filament
TC	Anode

TOP CAP

See K 1001/A1/D5.1

DIMENSIONS

See K 1001/A1/D1

Dimension	Min	Max
A (mm)	-	133
B (mm)	-	50

NOTE

A. When the valve is first put into service, and at any time after transit, the application of anode voltage must be delayed for at least 30 minutes after switching on the filament. Thereafter, the normal working delay should be at least one minute.

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
	Vf (AC)	Va	Ia (mA)		Min.	Max.		
(a)	4.0	0	-	If (A)	2.5	2.9	100%	
(b)	4.0	2700 RMS	-	D.C. output from (A) 2 valves	0.5	-	100%	1,2
(c)	4.0	Read	300	Voltage drop, D.C. (V)	-	18	100%	

NOTES

1. Tested in a single phase full wave choke-input filter circuit in which L = 4.5 H and C = 4.0 μF.
2. A switching test shall be applied by disconnecting and re-connecting the anode supply five times in three minutes. There shall be no striking back.