

VALVE ELECTRONIC **CVI623**

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

(FOVT 138)

Specification: G.P.O./CV 1623/Issue 1 Dated: 15-1-47 To be read in conjunction with K 1001	<u>SECURITY</u>	
	<u>Specification</u>	<u>Valve</u>
	Restricted	Restricted

—————> indicates a change

<u>TYPE OF VALVE:</u> Mercury Vapour Rectifier		<u>MARKING</u>	
<u>CATHODE:</u> Directly heated		See K 1001/4	
<u>ENVELOPE:</u> Unmetallised glass			
<u>PROTOTYPE</u> RG 1 - 125			
<u>R A T I N G</u>			
	<u>Note</u>	<u>B A S E</u>	
Filament voltage	(V) 2.0	Edison Screw	
Nominal filament current	(A) 4.5	See K 1001/A IV/D13.2	
Max. peak inverse voltage	(V) 4000	<u>CONNEXIONS</u>	
Max. mean anode current	(mA) 125	Contact	Electrode
Max. D.C. output voltage	(V) 1250	Thread	Filament
Nominal voltage drop	(V) 16	Button	Filament
		T.C.	Anode
		<u>TOP CAP</u>	
		See K 1001/A1/D5.4	
		<u>DIMENSIONS</u>	
		See K 1001/A1/D1	
		Dimension	Min. Max.
		A mm	- 135
		B mm-	- 50

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS		TEST	LIMITS		No. Tested	Note
	Vf (V)	Va (DC)		Min.	Max.		
	(a)	2.0		-	If (A)		
(b)	2.0	Read	Anode voltage required to produce anode current of 600 mA. (V)	-	18.0	100%	
(c)	2.0	1300	D.C. output per valve (A)	0.125	-	100%	1

NOTE

1. This test shall be conducted in a bi-phase half-wave circuit, and its duration shall be 15 minutes.

No sparking or flash-over shall occur.