

VALVE ELECTRONIC **CV1623**GENERAL POST OFFICE: E-IN-C (W)

(POVT 138)

Specification: G.P.O./CV 1623/Issue 1	<u>SECURITY</u>	
Dated: 15-1-47	<u>Specification</u>	<u>Valve</u>
To be read in conjunction with K 1001	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>B A S E</u>		
			Edison Screw		
			See K 1001/A IV/D13.2		
			<u>CONNEXIONS</u>		
			Contact	Electrode	
Filament voltage (V) 2.0			Thread	Filament	
Nominal filament current (A) 4.5			Button	Filament	
Max. peak inverse voltage (V) 4000			T.C.	Anode	
Max. mean anode current (mA) 125					
Max. D.C. output voltage (V) 1250			<u>TOP CAP</u>		
Nominal voltage drop (V) 16			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)	4.0	5.0	100%	
(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

N O T E

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.