VALVE ELECTRONIC CV1628

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

(POVT 191)

Specification: G.P.O./CV1628/Issue 1	SECURITY	
Dated: 11.4.47	Specification	Valve
To be read in conjunction with K 1001	Restricted	Restricted

... by indicates a change

TYPE OF VALVE: Mercury vapour rectifier
CATHODE: Directly heated
ENVELOPE: Unmetallised glass
PROTOTYPE GU8

MARKING
See K1001/4
Additional markings required (See Notes A & B)
Serial No. .....
Filament Volts 2.35

RATING

			Note
Filament voltage	(V)	2.35	
Nominal filament current	(A)	40.0	
Max. peak inverse voltage	(kV)	22.0	
Max. peak anode current	(A)	16.0	
Max. mean anode current	(A)	4.0	
Max. ambient temperature	(°C)	34.0	
Min. ambient temperature	(°C)	12.0	
Max. condensation temperature	(°C)	54.0	
Min. condensation temperature	(°C)	32.0	

BASE
See drawing on page 3

CONNEXIONS
See drawing on page 3

DIMENSIONS
See drawing on page 3

PACKING
See K1001/7.3

NOTES

A. The Serial Numbers will be allotted by the Inspecting Officer

B. It is not essential that the additional markings shall appear within the frame.

TESTS

To be performed in addition to those applicable in K1001

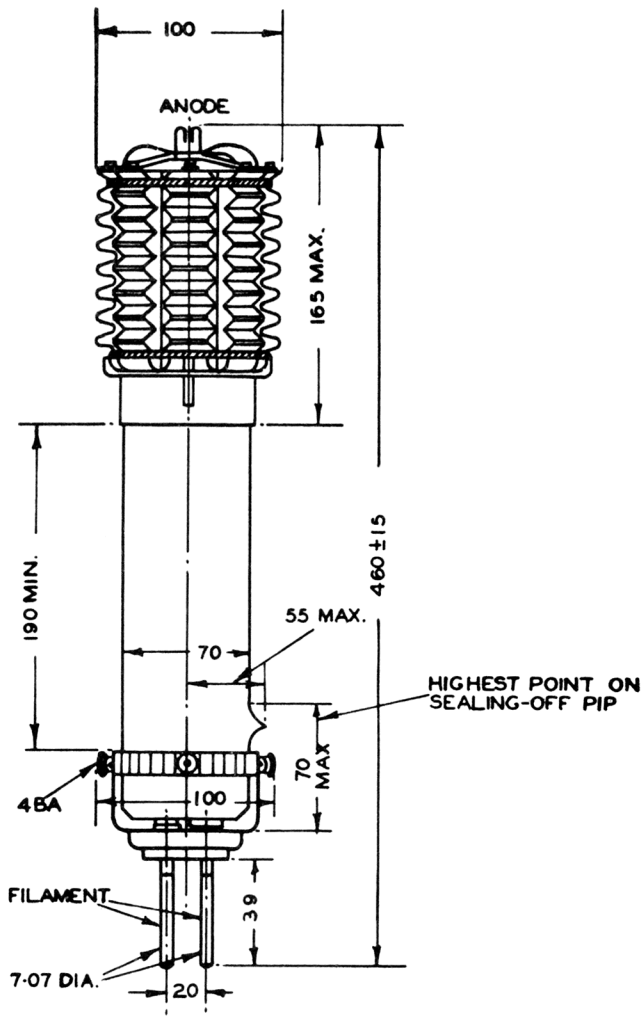
	TEST CONDITIONS		TEST	LIMITS		No. Tested	Note
	Vf(V)	Va(DC)		Min.	Max.		
(a)	2.35	-	If (A)	35.0	45.0	100%	
(b)	2.35	Adjust	Va required to produce an emission current of 20A (V)	-	20.0	100%	
(c)	2.35	20kV	D.C. output per valve (A)	1.0	-	100%	1

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.
The condensation temperature shall not be less than 32°C and not greater than 54°C.

CV1628

OUTLINE DRAWING



ALL DIMENSIONS ARE IN m/m AND ARE MEAN EXCEPT WHERE OTHERWISE STATED