VALVE ELECTRONIC C V 33

Specification MAP/CV33/Is Dated 22.1.50. To be read in conjunction K1001, ignoring clauses, 5	SECURITY Specification Valve RESTRICTED UNCLASSIFIE											
→ Indicates a change												
TYPE OF VALVE - Half Wave Mercury Vapour rectifier CATHODE - Directly heated			MARKING CV33									
BULB - Glass-Unm COMMERCIAL PROTOTYPE - 4077A	BASE Goliath Edison Screw To conform to B.S.S.98.											
RATING		Note	DIMENSIONS AND CONNECTIONS See drawing on page 3									
Filament Voltage (V) Filament Current (A) Max.Peak Inverse Voltage 1. With forced air	5.0 10.0		PACKING See K1005									
ventilation (kV) 2. With free natural	16											
ventilation (kV) Max. D.C. output	10											
current (A)	1.25	A										
Max. peak anode current (A)	5.0	A										
temperature range (°C) Max. frequency of	25-60		·									
supply (c/s) Preheating time (mins)	500. 15											

NOTES

A. These ratings apply to quadrature operation of the filament only and must be reduced by 50% if quadrature operation is not possible.

CV33

To be performed in addition to those applicable in K1001.

		st Conditions	Test	Limits Min. Max.		No. Tested	Notos					
	Vf	Ia(A)			Min.	Max.	resteu	Modes				
а	5.0 A.C.	0	If	(A)	9.0	12.0	100%					
ъ	5.0 A.C.	2.0 The valve shall be preheated for 15 minutes	Volt drop	(v)	.	14	1.00%	1				
C	teste circu with resis volts appli after anode be ap so th inver raise 16 kV durin test occu volta appli	alves shall be d in a full wave it (50 c/s) 5000 ohms load tance. Filament only shall be ed for 15 mins. which the voltage shall plied gradually at the peak se voltage is d from 4 kV to in 6 mins. If g the above a flashover rs, the anode ge shall be reed following bove schedule.	The valves a peak investigation of kV with current of 0.5A. for a minutes, duthere shall down or spa	erse volument less period with the no	tage as tha location that the location to the	of node n O imè	100%	1				

Note 1. The valve shall be supplied with a constant temperature air flow adjusted to between 30°C and 40°C.

