VALVE ELECTRONIC C V 33

Specification MAP/CV33/Issue 3			SECURITY								
Dated 22.1.50.	Specification Valve										
To be read in conjunction with			RESTRICTED	UNCLASSIFIED							
K1001, ignoring clauses, 5	Unclass.	OHOLINGOLI LIID									
→ Indicates a change											
TYPE OF VALVE - Half Wave	e de formation autorio de la colonia de La colonia de la colonia d	and the second s									
Vapour rectifier			MARKING								
CATHODE - Directly heated			CV33								
BULB - Glass-Unm											
DOTE - GIASS-OTHIE GATILBEG			BASE								
COMMERCIAL			Goliath Edison Screw								
PROTOTYPE - 4077A			To conform to B.S.S.98.								
			DIMENSIONS AND								
RATING			CONNECTIONS								
TELLTING		Note									
140			See drawing on page 3								
Filament Voltage (V)	5.0										
Filament Current (A)	10.0		PACKING								
	Ax. Peak Inverse Voltage			See K1005							
1. With forced air ventilation (kV)	16										
ventilation (kV) 2. With free natural	16										
ventilation (kV)	10										
Max. D.C. output	.										
current (A)	1.25	A									
Max. peak anode											
current (A)	5.0	A									
Condensed mercury	0.5 (5										
temperature range (°C)	25-60										
Max. frequency of supply (c/s)	500										
supply (c/s) Preheating time (mins)	15										
Troughting (mring)	リリン	I	1	1							

NOTES

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

TESTS

CV33

To be performed in addition to those applicable in K1001.

	Te	st Conditions	Test		Limits		No.	
	٧f	Ia(A)			Min.	Max.	Tested	Notes
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
С	teste circu with resis volts appliafter anode be ap so the inverraise 16 kV durin test occu volta appli	raives shall be ad in a full wave it (50 c/s) 5000 ohms load stance. Filament s only shall be led for 15 mins. which the s voltage shall uplied gradually hat the peak se voltage is of from 4 kV to in 6 mins. If ag the above a flashover urs, the anode lege shall be re- led following bove schedule.	The valves a peak investigation of kV with current of 0.5A. for a minutes, duthere shall down or spa	erse vol an aver not les period ring wh be no	tage age a s tha l of 1 nich t	of node n O ime	100%	1

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

