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Specification MAP/CV.686	SECURITY		
Issue 2 Dated 16.1.52	Specification	<u>Valvo</u>	
To be read in conjunction with K.1001	UNCLASSIFIED	UNCLASSIFIED	

------ Indicates a change

TYPE OF VALVE - Voltage Stabiliser GATHODE - Cold ENVELOPE - Glass, unmetallised PROTOTYPE - OC3/VR105/30			MARKING See K.1001/4 BASE I.O. See K.1001/AIV/D2 M. Dimension (iii) applies			
RATINGS			CONNECTIONS			
Max. Striking Voltage (V) Operating Voltage (approx) (V) Him. Operating Current (mA) Max. Operating Current (mA)	127 105 5 40		Pin Electrode 1 No connection 2 Cathode 5 Connected internally to pin 7 4 Pin cmitted 5 Anode 6 Pin cmitted 7 Connected internally to pin 3 8 No connection			rnally
			DIMENSIONS See K.1001/A1/D1			
			Dimension		Min.	Max.
			В		96 	105

CV686
To be performed in addition to those applicable in E.1001.

П	Test Conditions Test		Test	Limits		No.	Note
	2000			Min.	Hax.	Tested	
a	Va(V) Increased from sero until Ia flows	Ia(mA)	Striking Voltage (V)	-	127	100%	1 & 2
Ъ	Adjusted	40	Va (♥)	-	112	100%	2
o	Adjusted	30	Va (₹)	-	111	1% (5)	2
đ	Adjusted	5	∀a (₹)	105	-	100%	2
•	50	-	Leakage Current (µA)	-	10.0	1%(5)	2
£	Impedance (i) Difference between value of Va in test "b" and value in test "d" (V)		-	4.0	100%		
	(ii) Difference between value of Va in test "c" and value in test "d" (V)		-	2.0	1%(5)		

Noise Test

The valve is to be tested for freesom from oscillation and noise during operation. For this purpose a calibrated amplifier detector having a level response within = 2 db. of its response at 400 c.p.s. over the range of 50-5000 c.p.s. is to be connected between the Anode and Cathode. The Cathode current is to be varied slowly from 5 mA. to 40 mA. and at no point in this range must the R.M.S. noise input voltage to the amplifier exceed 10 mV. For the purpose of the test the valve shall be operated 100% from a well filtered variable D.C. supply.

MOTES

- 1. This test is to be performed at 24 hours after the valve is sealed off.
- 2. With a minimum resistance of lK ohms in series with the anode.