VALVE ELECTRONIC CV2325

Specification MOS(A)/CV2325	SECURITY			
Issue 1 Dated 26. 5. 54.	Specification	<u>Valve</u>		
To be read in conjunction with K1001.	UNCLASSIFIED	UNCLASSIFIED		

TYPE OF VALVE - Decade Selector Tube			MARKING				
CATHODES - Cold				See K1001/4			
ENVELOE - Glass-Unmetallised FROTOTYE - GSLCC				BASE B12A with bottom cap			
RATING			CONNECTIONS				
			Note	Pin		Electr	ode
Max. Striking Voltage Min. Anode Current Max. Anode Current Nominal Maintaining Voltage at 300 µA Maximum P.D. between Guides and Cathodes Signal Pulse Amplitude Min. Pulse Duration Min. Quiescent Period Guide Bias Sine-wave Amplitude Second Guide Phase Advance,	(V) (UA) (V) (V) (V) (VS) (VS) (V R:S) (degrees) (V) (ohms)		A,B C	See	Se F:	athode 0 " 9 " 8 " 7 " 6 " 5 " 4 " 3 " 2 " 1 econd Gu irst Gui node VSIONS COL/AL/D ing on P	ides des
				Dimension (mm)	ons	Min.	Max.
				A B C L Bottom Ca Length Dia.	VTING	83.5 30.9 - 63.5 5.3 6.2 FOSITION	90.5 33.1 35.0 70.5 8.1 6.5

NOTES

- A. When operating in the circuit shown in Fig. 1 on Page 3.
- B. When operating in the test circuit shown in Fig. 2 on Page 3.
- C. Measured with normal room illumination.

TESTS

To be performed in addition to those applicable in KlOOl.

Tont Combitions			Limits		No.	Tara
	Test Conditions	Test		Max.	Tested	Note
а	400V shall be applied through 560K to anode. Each cathode and each group of guides shall be connected to earth in turn. Tube shall be tested in normal room daylight.	Time to Strike (secs) Test shall be performed 12 times.	-	10	100%	
ъ	Ia shall be adjusted to 300 MA for each cathode and guide in turn.	Maintaining Voltage (V) Test shall be performed 30 times.	186	198	100%	
С	The tube shall be operated in the test circuit shown in Fig. 2 on Page 3. Sine waves shall be applied to the tube to produce a clockwise rotation of glow at 4 kc/s.	Tube must divide accurately in the ratio 10:1.	-	-	100%	
đ	As for Test (c), but with anti-clockwise rotation of glow at 4 kc/s.	As for Test (c)	-	-	100%	
е	Each cathode in turn, shall be connected to earth and 440V applied to anode through 560K. First and second guides shall be at +45V.	Glow must appear only at the tip of the appropriate cathode. Tests shall be performed 10 times.	- !	-	100%	
f	50V shall be applied between each electrode and parallel connection of the remainder in turn.	Insulation (megohms)	100		100%	

