Specification MOS(A)/CV2325	SECUI	SECURITY			
Issue 1 Dated 26. 5. 54.	Specification	Valve			
To be read in conjunction with Kl001.	UNCLASSIFIED	UNCLASSIFIE			

TYPE OF VALVE - Decade Se CATHODES - Cold	MARKING See Kl001/4						
ENVELOFE - Glass-Unm							
ROTOTYE - GS1CC	BASE B12A with bottom cap						
Sear To 1	RATING	III desam		CON	CONNECTIONS		
		Links of	Note	Pin	Elect	rode	
Max. Counting Speed Max. Striking Voltage Min. Anode Current Max. Anode Current Nominal Maintaining Voltage at 300 µA Maximum P.D. between Guide and Cathodes Signal Pulse Amplitude Min. Pulse Duration Min. Quiescent Period Guide Bias Sine-wave Amplitude Second Guide Phase Advance, First Guide Guide Bias Max. Cathode Loads	Voltage (V) rrent (uA) rrent (uA) rrent (uA) aining 00 uA (V) between Guides  Amplitude (V) ration (uS) t Period (uS) litude (V RES) (degrees)	4000 400 250 550 192 140 145 50 200 36 55 45 0 270000	A A A A A B B B B	2 3 4 5 6 7 8 9 10 11 12 Bottcm Cap	" (	9 3 7 6 5 5 4 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
				Dimensions (mm)	Min.	Max.	
				A B C L Bottom Cap Length Dia.	83.5 30.9 - 63.5 5.3 6.2	90.5 33.1 35.0 70.5 8.1 6.5	
					NG FOSITI	CON	

## 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 K1001.

	m		Limits		No.	Note
	Test Conditions	Test	Min.	Max.	Tested	Note
a	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.	80.638 548, 16	10	100%	
b	Is 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%	
0	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%	
1	As for Test (c), but with anti-clockwise rotation of glow at 4 kc/s.	As for Test (c)	ne top	-	100%	
	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%	
	50V shall be applied between each electrode and parallel connection of the remainder in turn.	Insulation (megohms)	100	_	100%	
	MATTER METERS					
	2	pe 1, 47% Al wasta depoid	5.465	st yas		
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