MINISTRY OF SUPPLY (D. L. R. D. /R. A. E.)

VALVE ELECTRONIC

CV474

Specification MOS(A)CV.474 Issue 4 Dated 1.7.7.57 To be read in conjunction with BS.1409 an excluding clauses: 5.2; 5.8	Specification UNCLASSIFIED		<u>lve</u> SSIFIED							
Indicates a change										
TYPE OF VALVE - Gas-filled Tetrode			MARKING							
CATHODE - Indirectly Heated ENVELOPE - Glass, unmetallised PROTOTYPE - VX.9012, 8033	See K.1001/4 CV number, T.A. letters, Factory and Date code, only required.									
<u>RAT INGS</u>		·		ASE 8.D.						
		Note	CONNECTIONS							
			Pin Electrode							
Heater Voltage (V) Heater Current (mA) Max. Peak Anode Voltage (V) Max. Working P.I.V. (V) Max. Peak Anode Current (mA) Max. Mean Anode Current (mA) Max. Peak Heater/Cathode Voltage (V) Max. Peak Heater/Cathode Voltage (V) Max. Control Grid Resistance (MO)	6,3 150 500 500 100 20 100 25	D D D D B,D C,D	1 2 3 4 5 6 7 8	a g2 h g2 k h g1 g2						
			<u>DIMENSIONS</u> See Drawing on Page 3.							
			Dimension	Min. Max.						
			A m.m. B.m.m.	9.3	38 10 . 16					

NOTES

- A. Minimum cathode heating time = 10 seconds.
- B. Heater negative with respect to cathode.
- C. Heater positive with respect to cathode.
- D. Absolute Value.

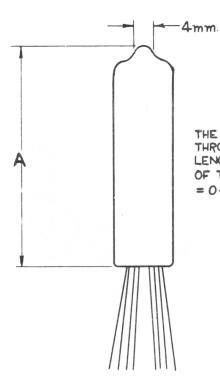
MOUNTING POSITION
Any

TESTS Page 2

To be performed in addition to those applicable in K.1001.

		Test C	ondit	ions	Test		Lim Min.	its Max.	No. Tested	Note
	٧h	Va(b)	√g2	Vg1						
a	6.3	0	0	0	Th	(mA)	135	165	100%	
	(7	350 V. A.C. 50 c/s rms.	0	Sufficiently nega- tive to prevent conduction	⊽g1	(∀)	-1.5	0 ميات	100%	1
b	b 6.3 Rg1 = 0.1 Mn; RL = 50.kn. Vg1 increased in +ve direction until valve conducts									
		350 V.A.C. 50 c/s rms.	0	As in test "b"	∀g1	(७)		-5.0	100%	1
С	6.3	Rg1 = 10 MΩ; RL Vg1 as in test		kΩ						~
đ	6.3	V.D.C. increase until valve conducts		0	Va.	(4)	-	28	100%	1
		$Rg1 = 0.1 M\Omega;$	•	500 Ω						
e	6.3	V.D.C. increase until valve conducts		0	Va	(₹)	-	39	5 per week	1
	Rg1 = 10 MΩ; RL = 500 Ω			bangk anjanjariban						
f	6.3	V.D.C. to give Ia = 20 mA.		0	Voltage drop across Valve	(₹)	-	15	100%	1
_		$Rg1 = 0.1 M\Omega;$	RL =	500 Ω		-				
g	5.5	As in test "f" Rg1 = 0.1 MΩ;	0 RL =	0 50 0 Ω	Voltage drop across Valve	(₹)	-	16	100%	1
h		See K.1001/5.3	a. 5	MJZ /	hk Leakage current	(μ λ)	-	20	100%	
Min. Mare -H/K+							= 3 Ms			
1. Pins 2, 4 and 8 connected to Pin 5.						100				

CV.474/4/2



BULB STRAIGHTNESS TEST

THE FINISHED VALVE MUST PASS THROUGH A CYLINDRICAL GAUGE OF LENGTH AT LEAST EQUAL TO THAT OF THE BULB. I.D. OF CYLINDER = 0.4 INCH.

THE LEADS SHALL BE FLEXIBLE 25-27 S.W.G. TINNED WIRE AT LEAST 38 mm. IN LENGTH.

