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

VALVE ELECTRONIC CV474

Specification MOS(A)CV.474 Issue 4 Dated 17.7.57 To be read in conjunction with BS.1409 as excluding clauses: 5.2; 5.8	Specificati UNCLASSIFIE					
		→ I)	ndicates a ch	ange		
TYPE OF VALVE - Gas-filled Tetrode 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.					
RATINGS			<u>base</u> B. 8. d.			
		Note	CONNECTIONS			
	6.3 150 500 500 100 20 100 25	A D D D D B,D C,D	Pin	Electrode		
Heater Voltage Heater Current Max. Peak Anode Voltage Max. Working P.I.V. Max. Peak Anode Current Max. Mean Anode Current Max. Peak Heater/Cathode Voltage Max. Peak Heater/Cathode Voltage Max. Control Grid Resistance (WO)			1 2 3 4 5 6 7 8	a g2 h g2 k h g 2,4		
			<u>DI</u> l See Dray	ge 3.		
·			Dimension	Min.	Max.	
			A m.m. B.m.m.	9.3	38 10.16	
			Wonnling borilion			
	NOTES			General Paris de Arrigenta de Ar		
A. Minimum cathode heati				*****		
B. Heater negative with C. Heater positive with					BLUBBerthoons	
C. Heater positive with D. Absolute Value.	respect .	o catnog	5.		e de la companya de l	

TESTS

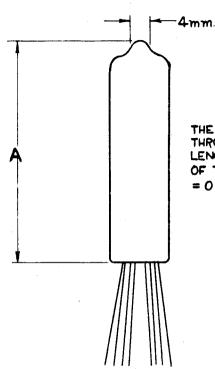
Page 2

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

		Test C	ondit	ions	Test	Lin	rits	No.	Note
		Test	onditions		1624	Min.	Max.	Tested	1000
	۷h	Va(b)	⊽g 2	Vg1					
a	6.3	0	0	0	Ih (mA	135	165	100%	
ъ 6.		350 V. A.C. 50 c/s rms.	0	Sufficiently nega- tive to prevent conduction	⊽g1 (v	-1.5	-4.0	100%	1
	6.3	Rg1 = 0.1 MΩ; RL = 50.kΩ. Vg1 increased in +ve direction until valve conducts							
С	6,3	350 V.A.C. 50 c/s rms.	0	As in test "b"	⊽g1 (V	-	-5.0	100%	1
	0.)	Rgf = 10 M Ω ; RL = 50 k Ω Vgf as in test "b".							
đ	6.3	V.D.C. increase until valve conducts		0	Va. (V	-	28	100%	1
) 	$Rg1 = 0.1 M\Omega;$	RL =	500 Ω					
≯ ®	6.3	V.D.C. increase until valve conducts	0	o	Va (V	-	39	5 per week	1
		Rg1 = 10 MΩ; RL = 500 Ω							
Ť	6.3	V.D.C. to give Ia = 20 mA.	0	0	Voltage drop across (V) Valve	-	15	100%	1
		Rg1 = 0.1 MΩ; RL = 500 Ω			102.70				
→g	5•5	As in test "f"	0	0	Voltage drop across (V	-	16	100%	1
		Rg1 = 0.1 MΩ;	RL =	500 हा	Valve	-	ļ	<u></u>	
h		See K. 1001/5.3			hk Leakage (µA)	-	20	100%	

NOTE

1. Pins 2, 4 and 8 connected to Pin 5.



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.

