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

VALVE ELECTRONIC

CV422

Specification M.O.S.A./CV.422 Issue 4 Dated 2.10.1952	SECURI	
To be read in conjunction with K.1001 excluding clauses 5.2, 5.8.	Specification UNCLASSIFIED	Valve Unciassified

--- Indicates a change

TYPE OF VALVE - Voltage Stabiliser CATHODE - Cold ENVELOPE - Glass, unmetallised			MARKING See K.1001/4		
PROTOTYPE - VX. 371 RATINGS	<u>BASE</u> B8G See K.1001/AIV/D.12				
Max. Anode take-over voltage (V) Max. Anode current (mA)	120 45	A	<u>Ç(</u>	ONNECTIONS Blect	rode
Min. Anode current (mA) Mean Voltage drop across valve operating at 25mA. (V)	108	À	1) 2) 3	Anode Primi	ng anode
Max. Priming anode current (mA)	1.0	В	4) 5) 6) 7) 8)	Catho	•
			DIMENSIONS See K1001/A1/D7		
			Dimension B (mm) A (mm)	<u>Win.</u>	

NOTES

- A. These conditions apply with the priming electrode connected to 150V_• + V^e thro¹ O_•1MΩ
- B. If not required for use, the priming electrode shall be joined to the main anode through a resistance of $80,000\,\Omega$

CV422

TESTS

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

	Test Conditions		Test		Limits		
		a one	ECIID	1030	Min.	Max.	Tested
a	Priming Anode Voltage	Main Anode Voltage	Main Anode Current (mA)				
	150V through 0.1 MΩ	0		The valve must conduct			100%
Ъ	150V through 0.1 MΩ	Increa- sed until current flows	-	Anode take-over voltage (V)	120	100%
С	150V through 0.1 MΩ	Adjust	25	Voltage drop between main Anode and Cathode (V	103	113	100%
đ	150V through 0.1 MΩ	Adjust	Changed from 5 to 45	Regulation (V	-	5	100%
•	150V through 0.1 MΩ	Adjust	Changed from 5 to 25	Regulation (V	-	2	100%
The valve is to be tested for freedom from noise during operation. For this purpose, a calibrated amplifier detector having a response within ± 2db. 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 45 mA. to 5 mA. and at no point in this range must the R.M.S. noise input voltage to the amplifier exceed 10 mm.							