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VALVE ELECTRONIC CV122

MINISTRY OF SUPPLY (S.R.D.E.)

SECURITY		
Specification	Val.ve	
Restricted	Unclassified	
	Specification	

	indio	ites a change		
TYPE OF VALVE:- High - mu tr CATHODE:- Directly hea ENVELOPE:- Glass-unmeta PROTOTYPE:- E.1336	MARKING See K1001/4. Additional Marking: - Colour Code (Note B)			
RAT ING	Note	BASE None		
Filament voltage (V) 1.5 Max.filament current (A) 0.15 Max.anode voltage (V) 100 Mutual conductance (mA/V) 0.8		DIMENSIONS AND CONNECTIONS See Fig. 1 and K1001/AI/D1		
	32 A 000 A	Dimension Min Mex A mm - 33	_	
NOTES A. Measured at Va = 100		B mm - 10 Pip Length mm - 6	, —	
Vg = 0 B. A GREEN mark shall appear adjacent to the anode leathe numbering shall be in	PACKAGING See K1005	~		

TESTS

To be performed in addition to those applicable in K1001

	Test	: Condi	tions	Test		Limits Min. Max.		No. Tested	Note
		1	· · · · · ·						
	٧f	Va	٧g					·	
a	1.5	_	_	If	(A)	-	0.15	0.1%	
ъ	1.5	90				20.0	25.5	100%	1,2,3
		0.5 Me		Gain test					
c	2.0	90	_			20.0	25•5	100%	1,2,3
		Ra = 0.5 Megohm Rg = 1.0 Megohm		Gain test					
đ	0	140	. 0	Leakage Anode to all	(AA)		0.75	100%	
	0	0	140	Grid to all		-	0.75	100%	
•	1.5	140	-2	Gas current	(µA)		1.0	100%	4

NOTES

- This test shall be carried out in an approved circuit.
- 2. Filament voltage applied through a 5.5 ohm resistor, the grid to be returned to the negative end of the resistor.
- 3. 0.22 megohm resistor to be inserted in series with the applied signal and between the 1.0 megohm resistor and the grid.
- 4. Maximum time delay 0.75 secs.

SPECIAL REQUIREMENTS

- 1. The valves are required for embodiment into receivers and for short period operation. They are not required for replacement or normal life.
- 2. The valves are required to have a long life in storage and shall meet the requirements of these tests after a holding period of not less than one month from the date of initial test.
- owing to the mechanical requirements of the valves, the materials used and the methods of manufacture shall conform to the Material and Inspection Schedules. These Schedules shall form part of this specification, and may be obtained from C.I.E.M.E.
- A description of the Production Details, which may be obtained through the type approving authority or their representative, is issued as an appendix to this specification. This shall not be regarded as a rigid specification, but the representative of the type-approving authority shall be informed within twenty-four hours of any deviations from the methods described therein and the "lot" numbers concerned. The type-approving authority may call for samples, for comparison with the original samples for which type-approval has been given.

