WARNING THESE VALVES CONTAIN RADIO-ACTIVE MATERIAL

MINISTRY OF SUPPLY - DLRD(A)/RRE

VALVE ELECTRONIC **CV 2248-52**

Specification MOS(A)/CV2248-52 Issue 3 Dated 13. 12. 54 To be read in conjunction with K1001	SECURITY Specification: UNCLASSIFIED Valve: UNCLASSIFIED

→ Indicates a change

TYPE OF VALVE - Hydrogen-filled Protective Spark Gap

CATHODE - Cold

ENVELOPE - Glass

PROTOTYPE - VX9054

MARKING

See K1001/4 and also Note D

BASE

None

See Drawing on Page 3.

CONNECTIONS AND DIMENSIONS

See Drawing on Page 3.

MOUNTING POSITION

Any

RATING

			Note
Max. Mean Current	(mA)	2	A
Max. Peak Current	(A)	50	A,B
Mean Breakdown Voltage (V)			
CV2248		1000	
CV2249		1250	
CV2250		1500	
CV2251		1750	
CV2252		2000	

NOTES

A. Absolute maximum value

B. Current pulse to be of approx sine waveform having 40 μsec duration at half amplitude.

C. The maximum repetition rate shall be adjusted such that over a period of 5 secs. the sum of the products (peak current X pulse width) does not exceed 10^4 micro-coulombs.

D. In particular, the requirements of K1001/4.4 shall also apply to the valve and its packaging.

For handling and disposal instructions, see Memorandum in K1001 - Radio-active Valves - Handling and Disposal - dated September, 1953.

Z.8106.R.

To be performed in addition to those applicable in K1001

Test Conditions - unless otherwise specified

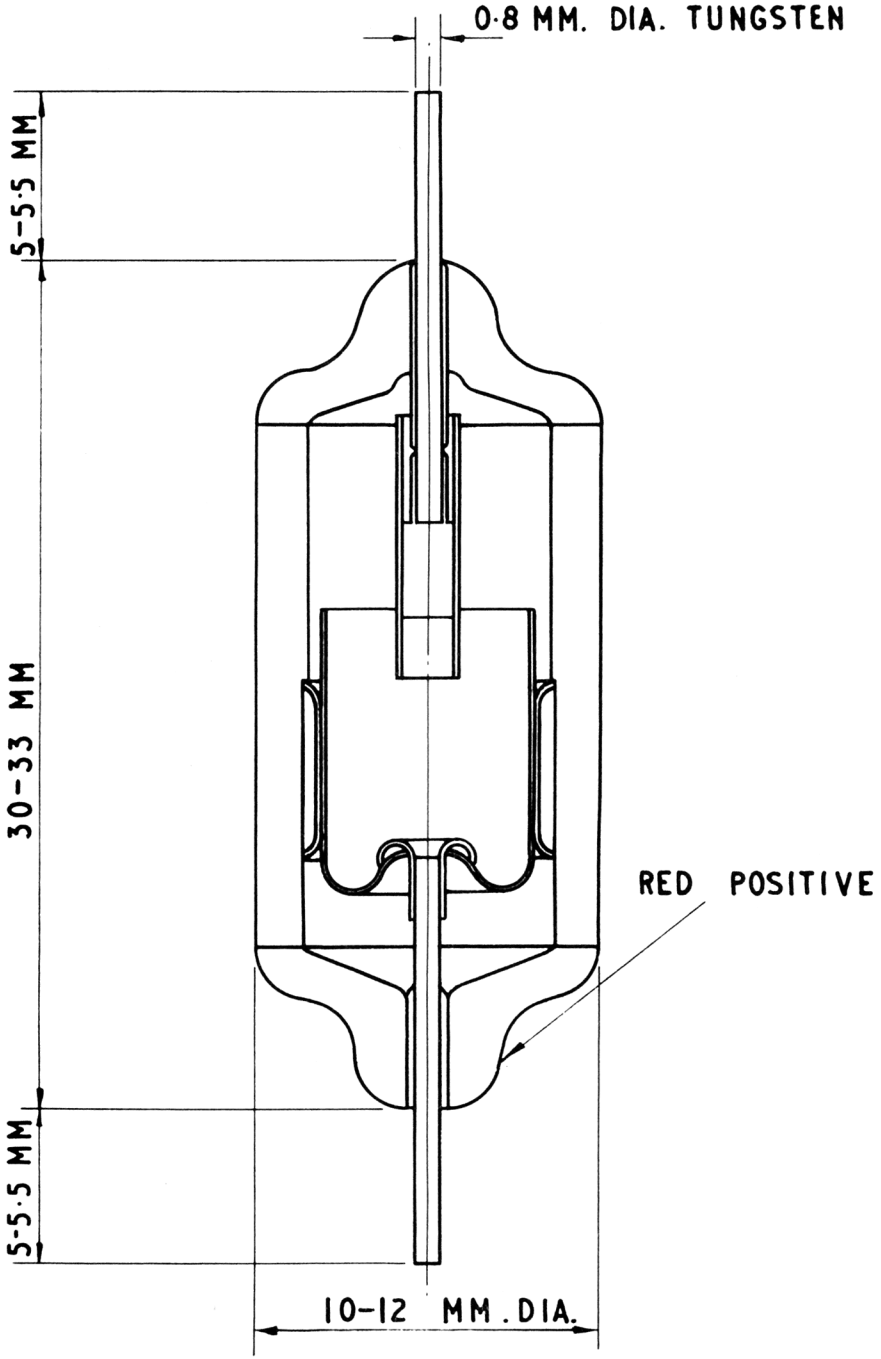
Notes 1 and 2

	Test	Test Conditions	AQL %	Insp. Level	Sym-bol	Limits Min.	Limits Max.	Units
a	Breakdown Voltage	Voltage increased slowly until discharge occurs.		100%				
	CV2248					870	1130	V
	CV2249					1120	1380	V
	CV2250					1370	1630	V
	CV2251					1620	1880	V
	CV2252					1870	2130	V
b	Life	Rate of discharge Note 3	10.0	IB		5000	-	dis-charges

NOTES

1. Test to be performed after 7 days shelf life.
2. Test to be performed using a current pulse of approximately sine waveform having 20 μsecs duration at half amplitude and 25A peak.
3. The maximum repetition rate shall be adjusted such that over any period of 5 secs., the sum of the products (peak current X pulse width) does not exceed 10^4 micro-coulombs.

CV 2248-52



SCALE 4:1

CV 2248-52/3/3