

Specification MAP/CV233/Issue 3 Dated 9.10.46. To be read in conjunction with K1001 ignoring clause:- 5.2.	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> RESTRICTED

—————> Indicates a change

<u>TYPE OF VALVE</u> - Gas-filled protective spark gap. <u>BULB</u> - Glass or porcelain. <u>PROTOTYPE</u> - B.S.5.		<u>MARKING</u> See K1001/4	
		<u>BASE</u> I.O.	
<u>RATING</u>		Pin	Connections
Max. Breakdown Voltage (kV)	5.5	1	Lower electrode
Max. Mean Current (mA)	2.0	2	No connection
Max. Peak Current (A)	50	3	No connection
		4	No connection
		5	No connection
		6	No connection
		7	No connection
		8	Lower electrode
		T.C.	Upper electrode
		<u>TOP CAP</u> See K1001/AI/5.1 except that height may be 10.3mms. min. to 11.9 mms. max.	
<u>NOTES</u>		<u>DIMENSIONS</u>	
A. This rating shall apply under conditions of reduced pressure equivalent to 9.27" of mercury at 15°C.  B. Averaged over a period of 3 secs.		Dimension	Min. Max.
		B (mm)	29.0 31.0
		C (mm)	- 35.0
		L (mm)	44.0 60.5
		Length excluding top cap and base	11.0 -

To be performed in addition to those applicable in K1001.

	Test Conditions	Test	Limits		No. Tested
			Min.	Max.	
a	Voltage pulses of 1 $\mu$ sec. duration and PRF between 50 and 1500 to be applied, the slope of the voltage front near breakdown being 50-70kV per $\mu$ sec.	Breakdown Voltage (kV)	4.5	5.5	100% See Note 1
b	The valve shall operate satisfactorily under conditions of reduced pressure equivalent to 9.27" of mercury at 15°C.				T/A

NOTE

1. Test to be carried out after 7 days shelf life.