

Specification MAP/CV233/Issue 3 Dated 9.10.46. To be read in conjunction with K1001 ignoring clause:- 5.2.	<table> <tr> <th colspan="2">SECURITY</th></tr> <tr> <th>Specification</th><th>Valve</th></tr> <tr> <td>RESTRICTED Unclassified</td><td>RESTRICTED Unclassified</td></tr> </table>	SECURITY		Specification	Valve	RESTRICTED Unclassified	RESTRICTED Unclassified
SECURITY							
Specification	Valve						
RESTRICTED Unclassified	RESTRICTED Unclassified						

→ Indicates a change

<u>TYPE OF VALVE</u> - Gas-filled protective spark gap.			<u>MARKING</u>			
<u>BULB</u> - Glass or porcelain.			See K1001/4			
<u>PROTOTYPE</u> - B.S.5.			<u>BASE</u>			
			I.O.			
<u>RATING</u>		<u>Note</u>	<u>Pin</u>	<u>Connections</u>		
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.			<u>Dimension</u>		<u>Min.</u>	<u>Max.</u>
			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 μ sec. duration and PRF between 50 and 1500 to be applied, the slope of the voltage front near breakdown being 50-70kV per usec.	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.