

Specification DCD/CV189/Issue 3 Dated 11.7.46. To be read in conjunction with K1001	<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-Unmetallised <u>PROTOTYPE</u> - B.S.4.		<u>MARKING</u> See K1001/4	
<u>RATING</u>		<u>BASE</u> I.O.	
Max. Breakdown Voltage (V) Max. Mean Current (mA) Max. Peak Current (A)	17 2.0 100	<u>TOP CAP</u> See K1001/A1/5.1 except that height may be 10.3mm min. to 11.9mm max.	
<u>NOTES</u> A:- This rating shall apply under conditions of reduced pressure equivalent to 9.27 inches of mercury at 15°C. B:- Averaged over a period of 3 seconds		<u>Pin</u>	<u>Electrode</u>
		1 2 3 4 5 6 7 8 Top Cap	Lower electrode No connection " " " " " " " " " " Lower electrode Upper electrode
<u>DIMENSIONS</u> See K1001/A1/D1.			
<u>Dimension</u>		<u>Min.</u>	<u>Max.</u>
B mm		29.0	31.0
C mm		-	35.0
L mm		64.0	70.0
Length excluding top cap and base		28.5	-

To be performed in addition to those applicable in K1001

	Test Conditions	Test	Limits		No. Tested	Note
			Min.	Max.		
a	Voltage pulses of 1 usec. duration and PRF between 50 and 1500 to be applied, the slope of the voltage front near breakdown being 50-70kV. per microsecond.	Breakdown Voltage (kV)	15	17	100%	1
b	The valve shall operate satisfactorily under conditions of reduced pressure equivalent to 9.27 inches of mercury at 15°C.				Type Approval	

NOTE

1:- Test to be carried out after 7 day's shelf life.