See drawing on page 4.

	Specification MAP/CV125/Issue 2 Dated 21.7.49.	SECURITY				
	To be read in conjunction with K1001, ignoring clauses 5.2, 5.8.	Specification RESTRICTED	<u>Valve</u> UNCLASSIFIED			
Indicates a change						

	· — —	- Indica	tes a	change		
TYPE OF VALVE	YPE OF VALVE: Enclosed triggered spark gap.			MARKING See K1001/4.		
CATHODE: ENVELOPE:	alan dan jarah dan dan dan dan dan dan dan dan dan dan		BASE CL3			
			CONNECTIONS			
			Pin	Elec trode		
RATING Trigger Voltage (kV) 4.5 Min. Working Voltage(kV) 12.0		Note A	1 2 3 T.C.	Trigger Electrode Anode No connection Cathode		
		12.0 530	A	<u>TOP CAP</u> See K1001/AI/D5.11		
				The second se	DIMENSIONS	

NOTES

A. Under the following conditions: -

Main Gap Voltage = 13.3 kV. Pulse Length = 1.0 μ sec. Repetition Frequency = 680 per sec.

Constant current charging is used and the load and line are matched.

B. The valve shall be provided with adequate splinter proofing.

CVI25

To be performed in addition to those applicable in K1001.

To be performed in addition to those applicable in K1001.						
Test	Li Min.		No. Tested	Note		
llowing tests, all espect to the anode,	electr which	ode po enclo	tential	8		
A spark shall occur which also delivers power to the load circuit			100%	1		
Trigger break- down voltage(kV)		7.0	100%			
1. Jitter in usecs. (total lateral movement of the trailing edge of the monitored pulse) 2. Fluctuations		0.2 ±10%	100%			
	Test llowing tests, all espect to the anode, A spark shall occur which also delivers power to the load circuit Trigger break-down voltage(kV) 1. Jitter in µsecs. (total lateral movement of the trailing edge of the moni-	Trigger break- down voltage(kV) Trigger in	Test Limits Min. Max.	Test Limits No. Tested Clowing tests, all electrode potential spect to the anode, which encloses the A spark shall occur which also delivers power to the load circuit Trigger break-down voltage(kV) 1. Jitter in usecs. (total lateral movement of the trailing edge of the moi-tend rules)		

CVI25

To be performed in addition to those applicable in K1001.

	Test Conditions	Test	Limits		No.	
Andrews			Min.	Max.	Tested	Note
đ	Cathode Voltage = -14.6 kV. Other test condi- tions as in 'a'	1. Jitter in µsecs. (total lateral movement of the trailing edge of the monitored pulse) 2. Fluctuations of amplitude	-	±10%	100%	
•	With the set up as in test 'a' the cathode voltage shall be increased until unstable operation occurs	Negative cath- ode voltage (kV) at which irre- gular breakdown (i.e. breakdown not correlated with the trigger pulse) occurs at a rate of between 1 & 6 times per sec.	16.0	•	100% or S	

NOTE

. Test clause 'a' must be performed first in the test schedule.