

Specification MOSA/CV.5083 Issue 1 Dated 13.5.57. To be read in conjunction with K.1001. Ignoring clause 5.2.	<u>SECURITY</u>	
	<u>Specification</u> UNCLASSIFIED	<u>Valve</u> UNCLASSIFIED

TYPE OF VALVE - Miniature Gas-Filled Voltage Stabiliser CATHODE - Cold ENVELOPE - Glass - unmetallised		<u>MARKING</u> See K.1001/4	
<u>RATINGS</u>		<u>BASE</u> B.7.G.	
Max. Striking Voltage (V) 110 Max. Anode Current (mA) 22 Min. Anode Current (mA) 2 Mean Voltage Drop across valve operating at 10 mA. 70		Note <u>CONNECTIONS</u>	
		Pin	Electrode
		1	Cathode
		2	Cathode
		3	Cathode
4	Priming Anode or Anode (Note A)		
5	Anode		
6	Anode		
7	Anode		
		<u>DIMENSIONS</u> See K.1001/AI/D4	
		Dimensions	Min. Max.
		A mm	- 54.5
B mm	- 19.0		
L mm	- 47.5		
F mm	35.5 40.5		
<u>NOTE</u>			
A. This valve may be supplied either with or without a priming anode. In order to accommodate either construction, it is essential that a resistor of 15,000 ohms be connected between pins 4 and Anode at the valve socket in equipments.			

TESTS

To be performed in addition to those applicable in K.1001

	Test Conditions	Test	Limits		No. Tested	Note
			Min.	Max.		
a	Increase the voltage applied to the valve until current flows.	Striking Voltage (V)	-	110	100%	
b	Cathode Current adjusted to 10 mA.	Output Voltage (V)	65	75	100%	
c	Cathode current changed from 20 mA to 2 mA.	Output Voltage Change (V)	-	6	100%	
d	The valve is to be tested for freedom from noise during operation. For this purpose, a calibrated amplifier-detector, having a response to within ± 2 dB of its response at 400 c.p.s. over the range of 50-5000 c.p.s., is to be connected between the anode and cathode. The cathode current is to be varied slowly from 20 mA to 2 mA and at no point in this range must the R.M.S. noise input voltage to the amplifier exceed 15 mV.				100%	

NOTE

1. If the valve under test incorporated a priming anode, then for the purpose of the above tests the priming anode must be connected to the anode through a resistor of 15,000 ohms.