

ELECTRONIC VALVE SPECIFICATIONS
SPECIFICATION AD/CV488
ISSUE NO.2 DATED 19th December 1950

AMENDMENT NO.1

Page 1 under heading Top Cap Amend K1001/A1/5.1 to read
K1001/A1/D5.1 and
Dimension "L" to read "B"

February 1960

Admiralty Surface Weapons Establishment

N.16335

ELECTRONIC VALVE SPECIFICATIONS

SPECIFICATION AD/CV488

ISSUE 2 DATED 19.12.50

AMENDMENT NO. 2.

Page 1 Under heading RATING, amend Max. Breakdown Voltage to
read 10 (kV).

May 1960

Admiralty Surface Weapons Establishment

N.17180

ADMIRALTY SIGNAL & RADAR ESTABLISHMENT

Specification AD/CV488/Issue 2 Dated 19.12.50. To be read in conjunction with K1001 ignoring clause 5.2.		<u>SECURITY</u>	
		<u>Specn.</u> Unclassified	<u>Valve</u> Unclassified
<u>TYPE OF VALVE:-</u> Gas-filled spark gap		<u>MARKING</u>	
<u>ENVELOPE:-</u> Glass		See K1001/4.	
<u>PROTOTYPE:-</u> CV295 modified. BS90		<u>PACKAGING</u>	
		See K1005	
<u>RATING</u>		<u>BASE</u>	
		I.O.	
		<u>TOP CAP</u>	
		To K1001/AI/5.1 except that dimension L should be 10.3mm min. to 11.9mm max.	
		<u>CONNECTIONS</u>	
		Pin	Electrode
		1	Lower electrode
		2	No connection
		3	No connection
		4	No connection
		5	No connection
		6	No connection
		7	No connection
		8	Lower electrode
		T.C.	Upper electrode
<u>NOTES</u>		<u>DIMENSIONS</u>	
A. This rating shall also apply under conditions of reduced pressure equivalent to 25.8 inches of mercury at 15°C.		See K1001/AI/D1.	
B. Averaged over a period of 3 seconds.		Dimension	Min. Max.
		B (mm)	29.0 31.0
		C (mm)	- 35.0
		L (mm)	56.0 62.5
		Length ex- cluding top cap and base	23.0 -

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions	Test	Limits		No. Tested	Note
			Min.	Max.		
a	Voltage pulses of $\frac{1}{2}$ msec duration and 1000 c/s prf to be applied, slope of the voltage front near breakdown being 70 to 100 kV per msec.	Breakdown voltage (kV)	9.0	10.0	100%	1
b	The valve shall operate satisfactorily under conditions of reduced pressure equivalent to 25.8" of mercury at 15°C.				T.A.	

NOTE

1. Test to be carried out after 7 days' shelf life. The voltage should be brought up from a lower value applied on switching.