

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV8/Issue 3 Dated 13.11.46. To be read in conjunction with K1001, ignoring clauses:- 5.2, 5.3, 5.8.	<u>SECURITY</u> <u>Specn.</u> Restricted	<u>Valve</u> Unclassified
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<u>TYPE OF VALVE</u> :- Diode Switch.	<u>MARKING</u> See K1001/4. See Note A.
<u>CATHODE</u> :- Indirectly Heated.	
<u>ENVELOPE</u> :- Copper - glass.	
<u>PROTOTYPE</u> :- E1356.	
<u>RATING</u>	<u>DIMENSIONS AND CONNECTIONS</u> See Fig.1.
Heater Voltage (V) 6.0	
Approx. Heater Current (A) 4.0	
Max. Peak Anode Voltage (V) 450	
Max. Peak Anode Current (A) 30	<u>PACKING</u> See K1001/7.
<u>CAPACITANCES (pF.)</u>	
Cac 11.5	

NOTES

- A. No serial number below 10,000 shall appear on the valve. On the outside of each container, a label should be fixed reading as follows:-

WARNING

THIS CV8 VALVE MUST NOT BE USED UNLESS PATTERN NO. 6058
CABLE HAS BEEN FITTED TO THE DIODE SWITCH
SEE A.F.O. 4646/42.

If possible, this label should be printed in red.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
	Vh (V)	Va (V)	Ia (A)		Min.	Max.	
a	6.0	-	-	Ih (A)	3.6	4.4	100%
b	6.0		30 peak	Va (V)	-	450	100%
	Tp = 2 μ S. PRF = 50 p/s. Pulse shape - sinusoidal.						
c	Capacitances			Cac (pF)	10	13	100%
d	Valve cold. Effective parallel resistance of valve measured on a 'Q' meter at 10 Mc/s.			H.F. Loss (Ω)	30,000		100%

