

VALVE ELECTRONIC

38512
CV1266
 (NU13A, AU12)

NAVY SIGNAL ESTABLISHMENT

Specification AD/CV1266/Issue 4. Dated 17.6.47. To be read in conjunction with K1001, ignoring clause:- 5:8.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve.</u> Unclassified

<u>TYPE OF VALVE:-</u> High vacuum, half-wave rectifier.		<u>MARKING</u>	
<u>CATHODE:-</u> Directly heated, oxide-coated.		See K1001/4.	
<u>ENVELOPE:-</u> Glass, clear.		<u>BASE AND CONNECTIONS</u>	
<u>PROTOTYPES:-</u> U15, RZ1-250.		L4 See K1001/AI/D6.	
<u>RATING</u>		Pin	Electrode
Filament Voltage (V)	6.0	1	Anode
Filament Current (A)	2.0	2	Filament
Max. R.M.S. applied Anode Voltage (kV)	2.0	3	Filament
Max. Peak Inverse Anode Voltage (kV)	5.0	4	No connection
Max. Peak Anode Current (A)	1.5	<u>DIMENSIONS</u>	
Max. D.C. Rectified Current (mA)	250	See K1001/AI/D1.	
Max. Reservoir Condenser (µF)	4.0	Dimension	Min. Max.
Min. Source Impedance (ohms)	5.0	A mm.	- 185
Max. Continuous Anode Dissipation (W)	30	B mm.	- 52
		<u>PACKING</u>	
		See K1001/7.	

NOTES

- A. Applies for a condenser directly following 2 valves in a full-wave circuit.
- B. The valve may be directly switched.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions		Test	Limits		No. Tested
	Vf (V)			Min.	Max.	
a	6.0		If (A)	1.75	2.5	100%
b	6.0	Valves to be tested in pairs in a bi-phase half-wave circuit using a 4 μ F. condenser, and a 20 H, 0.5 A choke; $V_a = 2$ kv. RMS.	<u>Load Test.</u> Output at 5 kv. min. (mA)	500	-	100%
				Valves to be rejected for signs of blue glow, flashing or deterioration.		