

VALVE ELECTRONIC **CV1268**
(NU20)

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1268/Issue 4. Dated 18.7.47. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE:-</u> Full-wave, high-vacuum rectifier.				<u>MARKING</u>	
<u>CATHODE:-</u> Directly heated.				See K1001/4.	
<u>ENVELOPE:-</u> Glass, metallised.				<u>BASE</u>	
<u>PROTOTYPE:-</u> U50.				IO	
				See K1001/AIV/D3.	
<u>RATING</u>				Pin	Electrode
Filament Voltage	(V)	5.0	Note A	1	No connection
Filament Current	(A)	2.0		2	Filament
Max. Anode Voltage Per Anode (R.M.S.)	(V)	350		3	Pin omitted
Max. Mean D.C. Output	(mA)	120		4	Anode
				5	Pin omitted
				6	Anode
				7	Pin omitted
				8	Filament
<u>NOTE</u>				<u>DIMENSIONS</u>	
A. For full-wave rectification with condenser input to filter, max. capacity = 32 μ F.				See K1001/AI/D1.	
				Dimension	Min. Max.
				A mm	- 120
				B mm	- 46
				<u>PACKAGING</u>	
				See K1005	

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
	V _f (V)	I _{a1} (mA)	I _{a2} (mA)		Min.	Max.	
a	5.0			I _f (A)	1.75	2.25	100%
b	5.0	150	150	V _{a1} = V _{a2} (V)	44	80	100%
c	Valve operated under condition as specified in 'b' for 5 minutes.			Operation Test	Valve must operate satisfactorily without sign of deterioration.		1% (20)