

VALVE ELECTRONIC **CV129I**
(NU33A)

ADMIRALTY SIGNAL ESTABLISHMENT

<p>Specification AD/CV129I/Issue 2. Dated 10.6.47. To be read in conjunction with K1001.</p>	<table> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <th><u>Specification</u></th><th><u>Valve</u></th></tr> <tr> <td>Restricted</td><td>Unclassified</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	Restricted	Unclassified
<u>SECURITY</u>							
<u>Specification</u>	<u>Valve</u>						
Restricted	Unclassified						

<u>TYPE OF VALVE:-</u> Half-wave, high-vacuum rectifier.			<u>MARKING</u> See K1001/4.											
<u>CATHODE:-</u> Indirectly heated.			<u>BASE</u> B4 See K1001/AIV/D5.											
<u>ENVELOPE:-</u> Clear glass.														
<u>PROTOTYPE:-</u> HVR2.														
<u>RATING</u>														
Heater voltage	(V)	2.0												
Heater current	(A)	1.5												
Max. R.M.S. anode voltage	(V)	5,000												
Max. rectified current	(mA)	5												
			<u>TOP CAP</u> See K1001/AI/D5.4.											
			<u>DIMENSIONS</u> See K1001/AI/D1.											
			<table><tr><td>Dimension</td><td>Min.</td><td>Max.</td></tr><tr><td>A mm</td><td>-</td><td>145</td></tr><tr><td>B mm</td><td>-</td><td>51</td></tr></table>			Dimension	Min.	Max.	A mm	-	145	B mm	-	51
Dimension	Min.	Max.												
A mm	-	145												
B mm	-	51												
			<u>PACKING</u> See K1001/7.											

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions		Test	Limits		No. Tested
	Vh (V)			Min.	Max.	
a	2.0		Ih (A)	-	1.85	1% (20)
b	2.0	Operation in conventional half-wave rectifying circuit Va = 5 kV R.M.S. Load R = 1.0 MΩ. Smoothing condenser = 0.25 μF. For 1 minute.	During this period, there must be no sign of softness or discharge between the electrodes.			100%
c	2.0	As test 'b' for 10 minutes.	As test 'b'.			1% (20)