

VALVE ELECTRONIC

(POVT 127A)

GENERAL POST OFFICE: E-IN-C (S)

Specification: G.P.O./CV 1691/Issue 1 Dated: 12-6-46 To be read in conjunction with K 1001	<table> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td><u>Specification</u></td><td><u>Valve</u></td></tr> <tr> <td>Restricted</td><td>Restricted</td></tr> </table>	SECURITY		<u>Specification</u>	<u>Valve</u>	Restricted	Restricted
SECURITY							
<u>Specification</u>	<u>Valve</u>						
Restricted	Restricted						

—————> indicates a change

<u>TYPE OF VALVE:</u> Double diode				<u>MARKING</u>			
<u>CATHODE:</u> Indirectly heated				See K 1001/4			
<u>ENVELOPE:</u> Unmetallised glass							
<u>PROTOTYPE</u> DDL 4							
<u>RATING</u>				<u>BASE</u>			
				British 5-pin (B5)			
				<u>CONNEXIONS</u>			
				<u>Pin</u>		<u>Electrode</u>	
Heater voltage (V) 4.0				1		Anode 1	
Nominal heater current (A) 0.75				2		Anode 2	
Max. anode volts R.M.S. (V) 200				3		Heater	
Max. cathode current (mA) 10.0				4		Heater	
Heating time (secs) 17				5		Cathode	
				<u>DIMENSIONS</u>			
				See K 1001/A1/D1			
				<u>Dimension</u>		<u>Min.</u>	<u>Max.</u>
				A (mm)		-	100
				B (mm)		-	35

TESTS

To be performed in addition to those applicable in K 1001

	<u>TEST CONDITIONS</u>			TEST	<u>LIMITS</u>		No. Tested	Note
	Vh(V)	Va 1	Va 2		Min.	Max.		
(a)	4.0	0	0	Ih (A)	0.67	0.83	100%	
(b)	4.0	10	0	Ia (mA)	20.0	-	100%	
(c)	4.0	0	10	Ia (mA)	20.0	-	100%	
(d)	4.0	-10	0	Reverse Ia (μ A)	-	0.5	100%	
(e)	4.0	0	-10	Reverse Ia (μ A)	-	0.5	100%	