

VALVE ELECTRONIC CV 1649

GENERAL POST OFFICE: E-1M-C (S)

(POVT 65)

Specification: G.P.O./CV 1649/Issue 1 Dated: 18-9-46 To be read in conjunction with K 1001	<table border="1"> <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> Triode			<u>MARKING</u>		
<u>CATHODE:</u> Directly heated			See K 1001/4		
<u>ENVELOPE:</u> Unmetallised glass					
<u>PROTOTYPE</u> E 133					
<u>RATING</u>		Note	<u>BASE</u>		
			British 4-pin (B4)		
Filament current	(A) 0.82	A A	<u>CONNEXIONS</u>		
Nominal filament voltage	(V) 4.5		Pin	Electrode	
Max. anode voltage	(V) 150		1	Anode	
Amplification factor	9.5		2	Grid	
Anode impedance	(ohms) 5500		3	Filament -	
		4	Filament +		
			<u>DIMENSIONS</u>		
			See K 1001/A1/D1		
			Dimension	Min.	Max.
			A (mm)	-	127
			B (mm)	-	65

This valve type is obsolete
and this specification is
for record purposes only.

NOTE

A. Measured with $V_a = 130$
and $V_g = -5$

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note
	If (A)	Va	Vg		Min.	Max.		
(a)	0.82	-	-	Vf (V)	4.1	4.8	100%	
(b)	0.82	130	-5	Ra (ohms)	4500	6500	100%	
(c)	0.82	130	-5	μ	8.4	10.6	100%	