

VALVE ELECTRONIC CV 1649

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

(POVT 65)

Specification: G.P.O./CV 1649/Issue 1 Dated: 18-9-46 To be read in conjunction with K 1001	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Restricted

→ indicates a change

<u>TYPE OF VALVE:</u> Triode <u>CATHODE:</u> Directly heated <u>ENVELOPE:</u> Unmetallised glass <u>PROTOTYPE:</u> E 133		<u>MARKING</u> See K 1001/4											
<u>RATING</u>		<u>BASE</u> British 4-pin (B4)	<u>CONNEXIONS</u>										
Filament current	(A) 0.82	Note A A	<table border="1"> <thead> <tr> <th>Pin</th> <th>Electrode</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Anode</td> </tr> <tr> <td>2</td> <td>Grid</td> </tr> <tr> <td>3</td> <td>Filament -</td> </tr> <tr> <td>4</td> <td>Filament +</td> </tr> </tbody> </table>	Pin	Electrode	1	Anode	2	Grid	3	Filament -	4	Filament +
Pin	Electrode												
1	Anode												
2	Grid												
3	Filament -												
4	Filament +												
Nominal filament voltage	(V) 4.5												
Max. anode voltage	(V) 150												
Amplification factor	9.5												
Anode impedance	(ohms) 5500												
		<u>DIMENSIONS</u> See K 1001/A1/D1											
		<table border="1"> <thead> <tr> <th>Dimension</th> <th>Min.</th> <th>Max.</th> </tr> </thead> <tbody> <tr> <td>A (mm)</td> <td>-</td> <td>127</td> </tr> <tr> <td>B (mm)</td> <td>-</td> <td>65</td> </tr> </tbody> </table>	Dimension	Min.	Max.	A (mm)	-	127	B (mm)	-	65		
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This valve type is obsolete and this specification is for record purposes only.		<u>NOTE</u> 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%	