

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

Specification: G.P.O./CV1660/Issue 1 Dated: 20/6/46 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> LS 7			<u>MARKING</u> See K 1001/4		
<u>RATING</u>		Note	<u>BASE</u> British 4-pin (B4)		
Filament current (A)	0.15		<u>CONNEXIONS</u>		
Nominal filament voltage (V)	4.0	A	<u>Pin</u>	<u>Electrode</u>	
Max. anode voltage (V)	150		1	Anode	
Amplification factor	12		2	Grid	
Anode impedance (ohms)	5000		3	Filament -	
			4	Filament +	
<u>CAPACITANCES (pF)</u>			<u>DIMENSIONS</u>		
C _{ag} (max)	12.0	A	See K 1001/A1/D1		
C _{ae} (max)	12.0		Dimension	Min.	Max.
C _{ge} (max)	12.0		A (mm)	-	127
			B (mm)	-	60
<u>NOTE</u>					
A. Measured with V _a = 130, and V _g = - 4.					

TESTS

To be performed in addition to those applicable in K 1001

	TEST CONDITIONS			TEST	LIMITS		No. Tested	Note	
					Min.	Max.			
(a)	See K 1001/A/III			CAPACITANCES (pF)					
	Links to HP	Links to LP	Links to E						
	1	2	3,4,5,6,7,8,9,10,TC1,TC2		(i) Cag	-	12.0	6 per week	
	1	3,4	2,5,6,7,8,9,10,TC1,TC2		(ii) Cae	-	12.0	6 per week	
	2	3,4	1,5,6,7,8,9,10,TC1,TC2	(iii) Cge	-	12.0	6 per week		
	If(A)	Va	Vg						
(b)	0.15	0	0	Vf (V)	3.7	4.3	100%		
(c)	0.15	130	- 13	Ia (mA)	-	0.2	100%		
(d)	0.15	130	- 4	Reverse Ig (μA)	-	0.5	100%		
(e)	0.15	130	- 4	Ia (mA)	7.0	11.0	100%		
(f)	0.15	130	- 4	gm (mA/V)	2.0	2.9	100%		
(g)	0.15	130	- 4	μ	10.5	13.5	1%		