

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

(POVT 94)

Specification: G.P.O./CV1667/Issue 1 Dated: 4.11.46 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> LS5X		<u>MARKING</u> See K1001/4			
<u>RATING</u>		Note A A A	<u>BASE</u> British 4-pin (B4)		
Filament current (A) 0.94 Nominal filament voltage (V) 6.0 Max. anode voltage (V) 400 Max. anode dissipation (W) 15.0 Amplification factor 6.0 Mutual conductance (mA/V) 1.2 Anode impedance (ohms) 5000			<u>CONNEXIONS</u>		
			Pin	Electrode	
			1	Anode	
			2	Grid	
			3	Filament -	
			4	Filament +	
<u>CAPACITANCES (pF)</u>			<u>DIMENSIONS</u> See K1001/A1/D1		
Cag (nominal) 3.5			Dimension	Min.	Max.
Cae (nominal) 3.0			A (mm)	-	130
Cge (nominal) 4.5			B (mm)	-	61

This valve type is obsolete and this specification is for record purposes only

NOTE
 Measured with $V_a = 300$,
 and $V_g = -25$

To be performed in addition to those applicable in K1001

	TEST CONDITIONS				TEST	LIMITS		No. Tested	Note
						Min.	Max.		
(a)	See K1001/AIII				<u>CAPACITANCES (pF)</u>				
	Links to H.P.	Links to L.P.	Links to E						
	1	2	3,4,5,6,7,8,9,10, TC1, TC2						
	1	3,4	2,5,6,7,8,9,10,TC1, TC2						
	2	3,4	1,5,6,7,8,9,10,TC1,TC2		(iii) Cge	4.0	5.0	6 per week	
(b)	Test Voltage 500 Volts D.C.				<u>INSULATION (megohms)</u> Between any two electrodes	500	-	1%	
	If (A)	Va	Vg	Ia (mA)					
(c)	0.94	-	-	-	Vf (V)	5.6	6.4	100%	
(d)	0.94	300	-25	-	μ	5.0	7.0	100%	
(e)	0.94	300	-25	-	gm (mA/V)	1.0	1.4	100%	
(f)	0.94	300	Adjust	50	Reverse Ig (μ A)	-	0.75	100%	
(g)	0.94	600	600	-	Vf required to produce emission current of 10 mA (V)	-	3.8	100%	