

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

Specification: G.P.O./CV 1675/Issue 1 Dated: 12-6-46 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> Output pentode <u>CATHODE:</u> Indirectly heated <u>ENVELOPE:</u> Unmetallised glass <u>PROTOTYPE</u> N 43		<u>MARKING</u> See K 1001/4			
		<u>Base</u> British 7-pin (B7)			
<u>RATING</u>		Note	<u>CONNEXIONS</u>		
			Pin	Electrode	
Heater voltage	(V) 4.0	A	1	No connection	
Nominal heater current	(A) 2.0		2	No connection	
Max. anode voltage	(V) 250		3	Screen grid	
Max. screen voltage	(V) 250		4	Heater	
Max. anode dissipation	(W) 10.0		5	Heater	
Mutual conductance	(mA/V) 10.0		6	Cathode	
			7	Anode	
			TC	Control grid	
<u>CAPACITANCES (pF)</u>			<u>TOP CAP</u> See K 1001/A1/D5.1		
C <sub>ag</sub>	(max) 0.60		<u>DIMENSIONS</u> See K 1001/A1/D1		
C <sub>ae</sub>	(max) 20.0		<u>Dimension</u>		
C <sub>ge</sub>	(max) 20.0		Min.	Max.	
			A (mm)	-	152
			B (mm)	-	58
<u>NOTE</u>					
A. Measured with V <sub>a</sub> = 250, V <sub>g 2</sub> = 250, and I <sub>a</sub> = 40 mA.					

TESTS

To be performed in addition to those applicable in K 1001

(a)	TEST CONDITIONS						TEST	LIMITS		No. Tested	Note	
	Links to H.P.	Links to L P	Links to E					Min.	Max.			
	See K 1001/A III						<u>Capacitances (pF)</u>					
	7	TC1	1,2,3,4,5,6,8,9,10,TC2					(i) Cag	-	0.60	6 per week	
	7	3,4,5,6.	1,2,8,9,10, TC1, TC2					(ii) Cae	-	20.0	6 per week	
	TC1	3,4,5,6	1,2,7,8,9,10, TC2					(iii) Cge	-	20.0	6 per week	
	Vh (V)	Va.	Vg1	Vg2	Vg3	Ia (mA)						
(b)	4.0	-	-	-	-	-	If (A)	1.8	2.2	100%		
(c)	4.0	250	Read	250	-	4.0	Vg1 (V)	-3.0	-6.0	100%		
(d)	4.0	250	Adjust	250	-	4.0	gm (mA/V)	9.0	11.0	100%		
(e)	4.0	250	Adjust	250	-	4.0	Ig2 (mA)	7.0	11.0	100%		
(f)	4.0	250	Adjust	250	-	4.0	Reverse Ig1 (µA)	-	1.0	100%		