

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

(POVT 143)

Specification: G.P.O./CV1696/Issue 1 Date: 21.2.47 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> B21			<u>MARKING</u> See K1001/4		
<u>RATING</u>			<u>BASE</u>		
			British 7-pin (B7)		
			<u>CONNEXIONS</u>		
			Pin	Electrode	
Filament voltage (V) 2.0			1	G2	
Nominal filament current (A) 0.2			2	G1	
Max. anode voltage (V) 150			3	Anode 1	
Max. anode dissipation (W) 2.0			4	Filament	
Optimum anode load (ohms) 12,000			5	Filament	
			6	No connection	
			7	Anode 2	
			<u>DIMENSIONS</u>		
			See K1001/A1/D1		
			Dimension	Min.	Max.
			A (mm)	-	111
			B (mm)	-	43

This valve type is obsolete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

To be performed in addition to those applicable in K1001

	TEST CONDITIONS					TEST	LIMITS		No. Tested	Note
	Vf(V)	Va1	Va2	Vg1	Vg2		Min.	Max.		
(a)	2.0	-	-	-	-	If (A)	0.18	0.22	100%	
(b)	1.8	40	-	40	-	Ie (mA)	10.0	-	100%	
(c)	1.8	-	40	-	40	Ie (mA)	10.0	-	100%	
(d)	2.0	120	-	-4.5	-	Ia1 (mA)	0.4	1.9	100%	
(e)	2.0	-	120	-	-4.5	Ia2 (mA)	0.4	1.9	100%	
(f)	2.0	120	120	-4.5	-4.5	Reverse Ig (μ A)	-	1.6	100%	