

Specification AD/CV2492 Issue No. 1 dated 18.2.59. To be read in conjunction with K1001 and B.S.1409	<u>SECURITY</u>	
	<u>Specification</u> Unclassified	<u>Valve</u> Unclassified

<u>TYPE OF VALVE:</u> Double Triode		<u>MARKING</u> See K1001/4	
<u>CATHODE:</u> Indirectly heated		<u>BASE</u> B9A	
<u>ENVELOPE:</u> Glass		<u>CONNECTIONS</u>	
<u>PROTOTYPE:</u> B880C			
<u>* RATINGS</u> (All limiting values are absolute.)		Pin	Electrode
		1	a"
		2	g"
		3	k"
		4	h
		5	h'
		6	a'
		7	g'
		8	k'
		9	s
		<u>DIMENSIONS</u> See K1001/A.1/D.4	
		Dimension (mm)	Min. Max.
		A. Overall length	- 55.6
		B. Diameter	- 22.2
		L. Seated height	- 49.0
		<u>NOTES</u>	
A. Fixed bias should not be used when anode current exceeds 5 mA.			
B. Max. duty cycle = 0.1; max. pulse duration = 200 μ s.			
C. Measured at $V_a(b) = 100V$; $V_g(b) = + 9V$; $R_k = 680$ ohms.			
D. Without external shield.			
E. Values apply to each section.			

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions				Test	Limits		No. Tested	Note
	Links to H.P.	Links to L.P.	Links to E	Min.		Max.			
a	6	7	Rest	Capacitances (pF)	C a' g'	1.2	1.6	6 per week	1
	1	2	Rest		C a" g"	1.2	1.6		1
	7	4,5,8,9	Rest		C in'	2.7	3.9		1
	2	3,4,5,9	Rest		C in"	2.7	3.9		1
	6	4,5,8,9	Rest		C out'	1.6	2.0		1
	1	3,4,5,9	Rest		C out"	1.5	1.9		1
b	Vh (V)	Va (b) (V)	Vg (b) (V)	Rk (Ohms)	Ih (mA)	285	315	100%	
	6.3	-	-	-					
c	6.3	-	-	-	Heater-Cathode Insulation Leakage Current (uA)	+	6.0	100%	2
d	6.3	100	9	680	Ia (mA)	14.2	15.8	100%	3
e	6.3	100	9	680	Ig1 (uA)	-	0.1	100%	3
f	6.3	100	9	680	gm (mA/V)	10.5	15.0	100%	3,4
g	6.3	150	-8.5	0	Ia(tail) (mA)	-	0.1	100%	3

NOTES

1. Measured without an external shield.
2. Heater-Cathode leakage current when the heater is 120 volts negative to cathode through a meter-protecting resistance of not greater than 1 MΩ.
3. Test each section separately.
4. Measuring signal on grid not to exceed 100 mV r.m.s.; cathode resistor suitably by-passed.

CV2492/1/2.