

VALVE ELECTRONICADMIRALTY SIGNAL AND RADAR ESTABLISHMENT

CV2492.

Specification AD/CV2492 Issue No. 1 dated 18.2.59. To be read in conjunction with K1001 and B.S.1409	<u>SECURITY</u> <table border="1"> <tr> <td><u>Specification</u> Unclassified</td><td><u>Valve</u> Unclassified</td></tr> </table>	<u>Specification</u> Unclassified	<u>Valve</u> Unclassified
<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>ENVELOPE:</u> Glass			<u>BASE</u> B9A		
<u>PROTOTYPE:</u> B880C					
<u>RATINGS</u> (All limiting values are absolute.)			<u>CONNECTIONS</u>		
			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

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	<u>Capacitances (pF)</u>					
	1	2	Rest	C a' g'	1.2	1.6			1
	7	4,5,8,9	Rest	C a' g''	1.2	1.6			1
	2	3,4,5,9	Rest	C in'	2.7	3.9		6 per week	1
	6	4,5,8,9	Rest	C in''	2.7	3.9			1
	1	3,4,5,9	Rest	C out'	1.6	2.0			1
				C out''	1.5	1.9			1
b	Vh (V)	Va (b) (V)	Vg (b) (V)	Rk (Ohms)					
	6.3	-	-	-	Ih (mA)	285	315	100%	
c	6.3	-	-	-	<u>Heater-Cathode Insulation</u> Leakage Current (μ A)	-	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 (μ A)	-	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 M Ω .
3. Test each section separately.
4. Measuring signal on grid not to exceed 100 mV r.m.s.; cathode resistor suitably by-passed.