

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1207/Issue 3. Dated 25.2.46. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Restricted

<u>TYPE OF VALVE:-</u> Triode. <u>CATHODE:-</u> Directly heated, pure tungsten. <u>ENVELOPE:-</u> Glass.	<u>MARKING</u> See K1001/4.
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<u>RATING</u>	Note	<u>PACKING PACKAGING</u> See K1001/7.3. SEE K1005
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Filament Voltage (V) 17.0 Filament Current (A) 5.65 Max. Anode Voltage (V) 7000 Max. Anode Dissipation (W) 450 Amplification Factor 24 Mutual Conductance (mA/V) 2.4	A	<u>CONNECTIONS</u> Flexible leads. Grid } at one Filament } end. Anode - at other end
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<u>NOTES</u>	Colours :- FF : Yellow G : Green A : Red See Note B
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A. Measured at $V_a = 4000$, $V_g = -50$. B. Each lead is to consist of two strands of 7/38 S.W.G. (or an approved equivalent) with free length of 18-ins. They are to be protected in the re-entrant seal by beads, and bound back to the neck of the bulb. The free length of the leads is to be insulated with cambric tubing (or suitable equivalent material) to within 2-ins. of the end, and coloured as above. The insulation must not be liable to slip.	<u>DIMENSIONS</u> See K1001/AI/D3.		
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Dimension	Min.	Max.
A mm	310	330
B mm	160	175
C mm	58	66
F mm	25	-
J mm	-	50
K + M mm	15	-

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
	Vf (V)	Va (V)	Vg (V)	Ia (mA)		Min.	Max.	
a	17.0				If (A)	5.4	5.9	100% or S
b		200	200	400	Vf (V)	-	19	100%
c	17.0	A.C. 50~ Inverse peak of 20,000 V			High voltage test.	No blue glow or deteriora- tion must occur.		100%
d	17.0	4000	Adjusted	113	Vg (V)	30	70	100%
e	17.0	4000	Adjusted	113	Reverse Ig (μA)	-	20	100%

NOTE

The valve is accepted on the understanding that it will perform satisfactorily during a 5 minute oscillatory test under the following conditions :-

Vf = 17 V, Va = 7 kV, Wa = 450 W, (whilst oscillating) peak voltages of 5,000 V appearing between filament and grid.