

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1160/Issue 2. Dated 20.9.45. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE</u> :- Output Triode <u>CATHODE</u> :- Indirectly heated <u>ENVELOPE</u> :- Glass <u>PROTOTYPE</u> :- 104V	<u>MARKING</u> See K1001/4.
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<u>RATING</u>		Note	<u>BASE</u>		
Heater Voltage (V)	4.0		B5	See K1001/AIV/D5.2.	
Heater Current (A)	1.0	A A A	Pin	Electrode	
Max. Anode Voltage (V)	200		1	Anode	
Amplification Factor	9.5		2	Grid	
Mutual Conductance (mA/V)	3.5		3	Heater	
Anode Impedance (Ω)	2,850		4	Heater	
Anode Dissipation (W)	5 approx.	5	Cathode		
<u>CAPACITANCES</u> (pFd. Approx.)			<u>DIMENSIONS</u>		
Ca-all	7.5	See K1001/AI/D1			
Cag	5.0 max				
		Dimension	Min	Max	
		A mm	-	115	
		B mm	-	51	

NOTES

A. $V_a = 100 \text{ V}$, $V_g = 0 \text{ V}$.

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	4.0	-	-	-	If (A)	0.95	1.2	1% (20)
b	4.0	100	-2	-	-I _g (μA)	-	1.0	100%
c i.	4.0	100	0	x	Value of x (mA)	15	-	100%
ii.	4.0	100	-2	y	x - y (mA)	5	9	100%
d	4.0	Ad-just-ed	-2	= x above	Va (V)	115	123	100%
e	Anode Impedance deduced				Anode Impedance (Ω)	1,850	3,850	100%
f	See K1001/AIII.				Capacitances (pFd.)			1% (20)
	Links to H.P.	Links to L.P.	Links to E.					
	1	2,3,4,5.		i. Ca-all				
	2	1	3,4,5.	ii. Cag				