

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1208/Issue 2. 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. <u>ENVELOPE:-</u> Glass. <u>PROTOTYPE:-</u> P625, PM256.		<u>MARKING</u>			
		See K1001/4.			
<u>RATING</u>		<u>BASE</u>			
		British 4-pin.			
		Note			
Filament Voltage (V)	6.0		Pin	Electrode	
Filament Current (amps. approx.)	0.25		1	Anode	
Max. Anode Voltage (V)	250	A	2	Grid	
Amplification Factor	6	A	3	Filament	
Mutual Conductance (mA/V)	3.2 min.	A	4	Filament	
Max. Anode Impedance (Ω)	2,000	A	<u>DIMENSIONS</u>		
Average Anode Current (mA)	55	A	See K1001/A.I/D1.		
<u>CAPACITANCES</u> (pF.)			Dimension	Min.	Max.
Grid - Anode	9.0 max.		A mm.	-	120
			B mm.	-	56
<u>NOTES</u>					
A. $V_a = 150$ V., $V_g = 0$ 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	6.0	-	-	-	If (A)	0.22	0.28	100% or S				
b	6.0	Ad-just-ed	= Va	-	Va (V)	-	150	100%				
									Ia + Ig = 120 mA.			
c	6.0	150	-5		-Ig (μ A)	-	2.0	100%				
di	6.0	150	0	x	Value of x (mA)	40	70	100%				
ii	6.0	150	-5	y	x - y (mA)	16	-					
e	6.0	Ad-just-ed	-5	= x above	Va (V)	175	185	100%				
f	6.0	250	Ad-just-ed	40	i. -Vg (V)	15	30	100%				
					ii. Variation of -Vg after 1st minute (V)				-	2	100%	
					iii. -Ig at end of test (μ A)				-	15	100%	
For 10 mins. -Vg to be checked every minute.												
g	6.0	150	0	-	Ig (μ A)	-	2	100%				
h	See K1001, App. III				Inter-electrode capacities (pFd.)							
	Pins to H.P.	Pins to L.P.	Pins to E.						Grid - Anode	9	1% (20)	
	2	1	3, 4.									