

ADMIRALTY SIGNAL ESTABLISHMENT

(NT62)

Specification AD/CV1237/Issue 2. Dated 11.11.46 To be read in conjunction with K1001.	<table border="1"> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specn. Restricted</td><td>Valve Unclassified</td></tr> </table>	SECURITY		Specn. Restricted	Valve Unclassified
SECURITY					
Specn. Restricted	Valve Unclassified				

<u>TYPE OF VALVE:-</u> Pentode.		<u>MARKING</u>	
<u>CATHODE:-</u> Directly heated.		See K1001/4.	
<u>ENVELOPE:-</u> Glass.			
<u>PROTOTYPE:-</u> PM24D.			
<u>RATING</u>		<u>BASE</u>	
		B5	
		See K1001/AIV/D5.2	
		Pin	Electrode
Filament Voltage (V)	4.0	1	Anode
Filament Current (A)	2.0	2	Control grid
Max. Anode Voltage (V)	500	3	Filament
Max. Screen Voltage (V)	200	4	Filament
Mutual Conductance (mA/V)	3.0	5	Screen grid
		<u>DIMENSIONS</u>	
		See K1001/AI/D1.	
		Dimension	Min. Max.
		A mm.	- 160
		B mm.	- 67

NOTEA. $V_a = 200 \text{ V}$, $V_{g2} = 200 \text{ V}$, $V_{g1} = -25 \text{ V}$.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions					Test	Limits		No. Tested
	Vf (V)	Va (V)	Vg2 (V)	Vg1 (V)	Ia (mA)		Min.	Max.	
a	4.0	-	-	-	-	If (A)	1.7	2.3	1% (20)
b	4.0	500	200	Ad-justed	60	(i) -Ig1 at end of test (μ A)	-	15	100%
	For 10 mins. Value of -Vg1 to be checked every minute.					(ii) Variation of -Vg1 after 1st minute (V)	-	2	
c	4.0	500	200	-35		(i) Ia (mA)	40	85	100%
d	4.0	200	200	-20		(ii) Ia (mA)	90	130	100%
e	4.0	500	200	-35	-	Ig2 (mA)	5	10	100%
f	4.0	200	200	-20	x	x - y (mA)	30	60	100%
	4.0	200	200	-30	y				
g	See K1001/AIII					<u>Capacitance</u>	-	21	1% (20)
	Pins to H.P.		Pins to L.P.		Pins to E	Ca-all (pF)			
	1		2, 3, 4, 5						