

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1287/Issue 5. Dated 16.7.47. To be read in conjunction with K1001.	<table border="1"> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specn.</u> Restricted</td><td><u>Valve.</u> Unclassified</td></tr> </table>	<u>SECURITY</u>		<u>Specn.</u> Restricted	<u>Valve.</u> Unclassified
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<u>TYPE OF VALVE:-</u> Output Pentode or Tetrode with Pentode Characteristics.				<u>MARKING</u> See K1001/4.		
<u>CATHODE:-</u> Indirectly heated.				<u>BASE</u> IO See K1001/AIV/D2.		
<u>ENVELOPE:-</u> Glass - unmetallised.						
<u>PROTOTYPE:-</u> KT32.						
<u>RATING</u>			<u>Note</u>	<u>Pin</u>	<u>Electrode</u>	
Heater Voltage	(V)	26.0	A	1	No connection	
Heater Current	(A)	0.3		2	Heater	
Max. Anode Voltage	(V)	135		3	Anode	
Max. Screen Voltage	(V)	135		4	Screen Grid	
Max. Anode Dissipation	(W)	10		5	Control Grid	
Max. Screen Dissipation	(W)	1.35		6	Pin omitted	
Mutual Conductance	(mA/V)	10.0		7	Heater	
				8	Cathode	
<u>NOTE</u> A. At $V_a = V_{g2} = 135$, $I_a = 75$ mA.				<u>DIMENSIONS</u> See K1001/AI/D1.		
				<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>
				A mm	-	124
				B mm	-	45
				<u>PACKAGING</u> See K1005.		

To be performed in addition to those applicable in K1001.

	Test Conditions					Test	Limits		No. Tested
							Min.	Max.	
Before the tests are made the valve shall be preheated for 5 minutes with $I_h = 0.3$ A, $V_a = V_{g2} = 135$ V and $I_a = 75$ mA. If the valve is of pentode construction, the suppressor grid shall be connected to the cathode during preheating and during test.									
	I_h (A)	V_a (V)	V_{g2} (V)	V_{g1} (V)	I_a (mA)				
a	0.3	0	0	0	-	V_h (V)	22.8	29.2	100% or S
b	0.3	135	135	-	75	V_{g1} (V)	5.7	10.0	100%
c	0.3	135	135	-	75	I_{g2} (mA)	-	10	100% or S
d	0.3	135	135	-	75	Reverse $I_{g1}(\mu A)$	-	2.5	100%
e	0.3	135	135	-	75	g_m (mA/V)	7.0	13.0	100%
	Peak grid swing ± 1.0 V.. max.								