

ADMIRALTY SIGNAL ESTABLISHMENTVALVE ELECTRONIC

CV1181

(NR59, ARP25)

Specification AD/CV1181/Issue 6. Dated 12.6.47. To be read in conjunction with K1001.	<table> <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 Beam Tetrode.			<u>MARKING</u> See K1001/4.		<u>PACKING</u> See.K1001/7																	
<u>CATHODE:-</u> Indirectly heated.			<u>BASE</u> B7 See K1001/AIV/D5.3.																			
<u>ENVELOPE:-</u> Glass, clear.																						
<u>PROTOTYPE:-</u> KT41.			<table><tr><th>Pin</th><th>Electrode</th></tr><tr><td>1</td><td>No connection</td></tr><tr><td>2</td><td>Control grid</td></tr><tr><td>3</td><td>Screen grid</td></tr><tr><td>4</td><td>Heater</td></tr><tr><td>5</td><td>Heater</td></tr><tr><td>6</td><td>Cathode</td></tr><tr><td>7</td><td>Anode</td></tr></table>				Pin	Electrode	1	No connection	2	Control grid	3	Screen grid	4	Heater	5	Heater	6	Cathode	7	Anode
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<u>RATING</u>			<u>DIMENSIONS</u> See K1001/AI/D1.																			
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NOTEA. At $V_a = 250 \text{ V}$, $V_{g2} = 250 \text{ V}$, $I_a = 40 \text{ mA}$.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions					Test	Limits		No. Tested
							Min.	Max.	
a	See K1001/AIII.					Capacitances (pF.)			
	Links to H.P.	Links to L.P.	Links to E						
	7	2	1,3,4,5, 6,8,9,10, TC1,TC2.			(i) Cag	-	2.5	6
	7	1,3,4,5, 6.	2,8,9,10, TC1,TC2.			(ii) Cae	-	14	per
	2	1,3,4,5, 6.	7,8,9,10, TC1,TC2.			(iii) Cge	-	20	week
b	Vh (V)	Va (V)	Vg2 (V)	Vg1 (V)	Ia (mA)				
	4.0	-	-	-	-	Ih (A)	1.25	1.85	100% or S
c	4.0	250	250	Ad- justed	40	Vg1 (V)	-2.75	-6.1	100%
d	4.0	250	250	Ad- justed	40	Ig2 (mA)	-	13.0	100% or S
e	4.0	250	250	Ad- justed	40	gm (mA/V)	7.2	12.6	100%
f	4.0	250	250	Ad- justed	40	Reverse Ig1 (uA)	-	1.5	100%