

ADMIRALTY SIGNAL AND RADAR ESTABLISHMENT

Specification AD/CV2721 Issue No. 3 Dated: 10.2.54 To be read in conjunction with K1001				<u>SECURITY</u> <u>Specification</u> <u>Valve</u> Unclassified Unclassified			
—————> indicates a change							
<u>TYPE OF VALVE:-</u> L.F. Pentode <u>CATHODE:-</u> Indirectly Heated <u>ENVELOPE:-</u> Glass, Unmetallised <u>PROTOTYPE:-</u> EL81					<u>MARKING</u> See K1001/4		
					<u>BASE</u> B9A		
<u>RATING</u>					<u>CONNECTIONS</u>		
				Note	Pin	Electrode	
Heater Voltage	(V)	6.3			1	Internally connected	
Heater Current	(A)	1.05			2	G1	
Max. Anode Voltage	(V)	330			3	C	
Max. Anode Voltage ($I_a = 0$)	(V)	550	B		4	H	
Max. Peak Anode Voltage	(V)	7000	B		5	H	
Max. Screen Voltage	(V)	330	B		6	Internally connected	
Max. Screen Voltage ($I_{g2} = 0$)	(V)	550	B		7	Internally connected	
Max. Anode Dissipation	(W)	8.8	B		8	G2	
Max. Screen Dissipation	(W)	5	B		9	G3	
Max. Total Anode and Screen Dissipation	(W)	11	B		T.C.	A	
Max. Cathode Current	(mA)	200	B		<u>TOP CAP</u> See K1001/A1/D5.2		
Heater Cathode Voltage	(V)	110	B				
Mutual Conductance	(mA/V)	4.6	A		<u>DIMENSIONS</u> See K1001/A1/D4		
$\mu g1/g2$		5					
<u>CAPACITANCES (pF)</u>						Min.	Max
C _{ge}		15			A	-	82 mm.
C _{ae}		6			B	-	22 mm.
C _{ag} (Max.)		1			C	-	75 mm.
<u>NOTES</u>							
A. Measured at $V_a = V_{g2} = 250V$. $I_a = 32$ mA							
B. Absolute maximum value.							

TESTS

To be performed in addition to those applicable in K1001.

	<u>Test Conditions</u>						Test	<u>Limits</u>		No. Tested	Note
	Vh	Va	Vg1	Vg2	Vg3	RC ohms		Min.	Max.		
a	6.3	-	-	-	-	-	Ih (mA)	950	1150	100%	
b	6.3	35	35	35	35	-	Ie (mA)	250	-	100%	
c	6.3	100	-2	100	0	-	Ia (mA)	109	177	100%	
d	6.3	100	-10	100	0	-	Ia (mA)	24	60	100%	
e	6.3	100	-35	100	0	-	Ia (μ A)	-	15	100%	
f	6.3	100	+30	100	0	820	Ig2 (mA)	-	3.6	100%	
g	6.3	100	+30	100	0	820	-Ig1 (μ A)	-	1.5	100%	
h	6.3	215	0	215	0	285	-Ig1 (μ A)	-	1.5	100%	1

NOTES

1. In this test a 1700 ohms resistor must be included in series with the anode.

AMENDMENT No. 1
TO ISSUE NO.3 DATED 10th FEBRUARY, 1954.
OF SPECIFICATION VALVE ELECTRONIC CV2721

Page 1

Near bottom right-hand corner of page, under heading
of DIMENSIONS.

		Min.	Max.
<u>Add:-</u>	L	-	75 mm.

July, 1958.

T.V.C. for A.S.R.E.

✓ ~~MS~~

N.32175R