

# VALVE ELECTRONIC

CVII70

(NR46)

## ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1170/Issue 3 Dated 5.11.46. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

→ Indicates a change

<u>TYPE OF VALVE:-</u> Double Diode.		<u>MARKING</u>		
<u>CATHODE:-</u> Indirectly Heated.		See K1001/4.		
<u>ENVELOPE:-</u> Glass, Metallised.				
<u>PROTOTYPE:-</u> D41.				
<u>RATING</u>		Note	<u>BASE</u>	
			B5	
Heater Voltage (V)	4.0	A	See K1001/AIV/D5.2.	
Heater Current (A)	0.3		Pin	Electrode
Min. Anode Current (mA)	1.0		1	Diode 1
			2	Diode 2
			3	Heater
			4	Heater
			5	Cathode
<u>CAPACITANCES</u> (pF. approx.)			<u>DIMENSIONS</u>	
Diode 1 to rest	4.8		See K1001/AI/D1.	
Diode 2 to rest	3.7			
		Dimensions	Min.	Max.
		A mm	-	100
		B mm	-	36

## NOTES

A. For each anode at  $V_a = 10$  V.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested	Note
	Vh (V)	Va (V)			Min.	Max.		
a	4.0 AC	-	Ih	(A)	0.27	0.33	100% or S	
b	4.0 AC	10	Emission	(mA)	1.0	-	100%	1
c	See K1001/AIII			<u>Capacitances</u>	(pF)			
	Links to H.P.	Links to L.P.	Links to E.					
	1	2,3, 4,5.	6,7,8, 9,10, TC1, TC2.	Diode 1 to rest	4.0	5.6	6 per week	
	2	1,3, 4,5.	6,7,8, 9,10, TC1, TC2.	Diode 2 to rest	2.9	4.5		

NOTES

1. Test applied to each diode in turn.