

VALVE ELECTRONIC **CV375**

ADMIRALTY SIGNAL ESTABLISHMENT

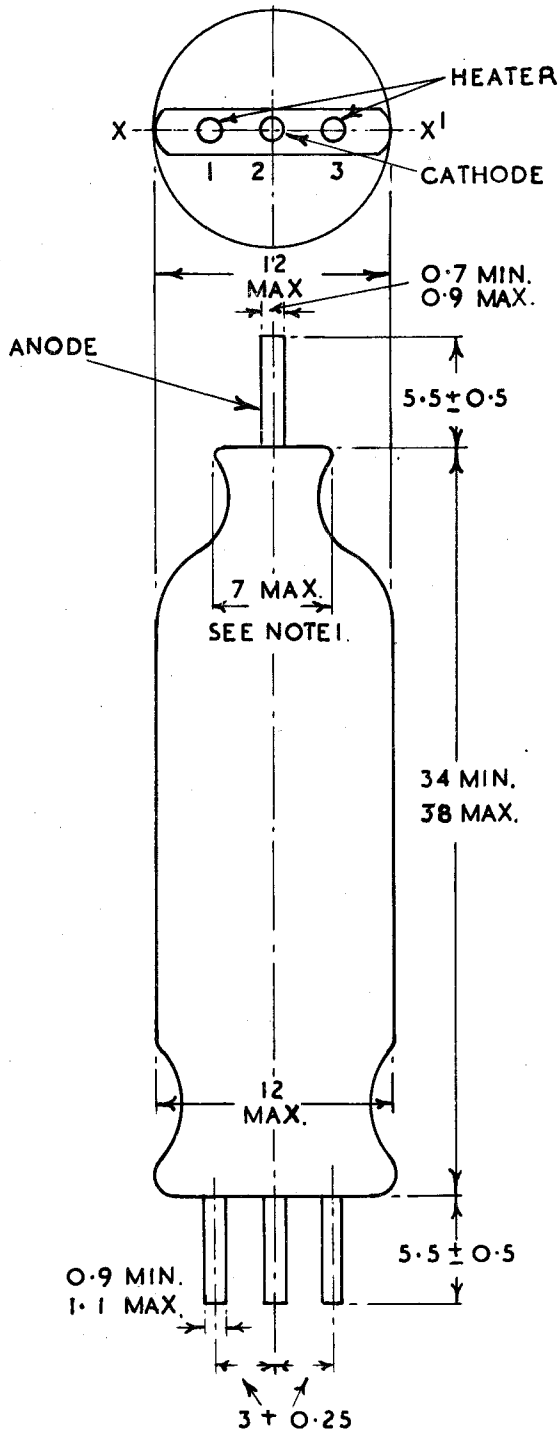
Specification AD/CV375/Issue 2. Dated 16.5.47. To be read in conjunction with K1001, ignoring clause:- 5.2.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE:-</u> Diode.		<u>MARKING</u>		
<u>CATHODE:-</u> Indirectly heated.		See K1001/4		
<u>ENVELOPE:-</u> Glass - unmetallised.				
<u>PROTOTYPE:-</u> EA50.		<u>BASE</u> B3		
<u>RATING</u>		See K1001/AIV/D10		
				Pin
Heater Voltage	(V) 6.3	Note	1	Heater
Heater Current	(A) 0.15		2	Cathode
Max. Peak Anode Current	(mA) 50		3	Heater
Max. Mean Anode Current	(mA) 5.0	Top Wire	Anode	
Max. Peak Inverse Voltage	(V) 350	<u>DIMENSIONS</u>		
Max. H-C Voltage (D.C.) with C +ive to H	(V) 300	See Drawing on Page 3.		
Max. H-C Voltage (D.C.) with H +ive to C	(V) 75			
<u>CAPACITANCES (pF)</u> (approx.)		<u>PACKING</u>		
Cac	1.6	See K1001/7		
Cah	0.5			

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
					Min.	Max.	
a	See K1001/5.3.			H-C Leakage Current (μ A)	-	17	100%
b	See K1001/AIII			<u>Capacitances</u>			
	Links to H.P.	Links to L.P.	Links to E				
	TC1	2	1,3,4,5,6,7,8,9,10, TC2	i. Cac (μ F)	-	2.0	6 per week
TC1	1,3	2,4,5,6,7,8,9,10, TC2	ii. Cah (μ F)	-	1.0		
c	Vh (V)	Va (V)					100% or S
	6.3	0	Ih (A)	0.135	0.175		
d	6.3	-100	A to C + H Leakage Current (μ A)	-	0.5	100%	
e	6.3	-0.2	Ia (μ A)	5.0	-	100%	
f	6.3	-1.0	Ia (μ A)	-	5.0	100%	
g	6.3	10	Ia (mA)	34	-	100%	
h	6.3	0	Standing current with 10 K Ω load in anode lead (μ A)	-	20	100%	

NOTES:-

1. THIS DIMENSION MUST BE HELD OVER DEPTH OF 2.5 MIN.
2. THE CENTRE POINTS OF THE PINS MAY NOT DEVIATE MORE THAN 0.5 FROM THE LINE X-X'.
3. PINS ARE TO BE PLATED OR DIPPED, SUBJECT TO APPROVAL. THE PINS ARE TO BE FREE FROM IRREGULARITIES AND BURRS.

ALL DIMENSIONS IN MILLIMETRES.