VALVE ELECTRONIC CV2369

ADMIRALTY SIGNAL AND RADAR ESTABLISHMENT

Specification AD/CV2369 Issue No. 1 dated 8.8.55 To be read in conjunction with K1001, B.S.448 and B.S.1409.	SECURITY	
	Specification Unclassified	**Valve** Unclassified

TYPE OF VALVE: Diode

CATHODE: Indirectly Heated

ENVELOPE: Glass, unmetallised

PROTOTYPE: VX8209C (CV469, Mod.)

MARKING
See K1001/4
CV Number, T.A. letters,
Factory and Date Code
only required.

RATINGS

			Note
Heater Voltage	(V)	4.0	
Heater Current	(mA)	230	
Max. Peak Inverse Voltage	(V)	420	
Max. Peak Anode Current	(mA)	60	
Max. Mean Anode Current	(mA)	9	
Max. Heater-Cathode Voltage	(V)	330	A

BASE
BS448/B5B

CONNECTIONS

Pin	Electrode
1	h
2	a
3	k
4	h
5	a

CAPACITANCES (pF)

		Note
Ca,k + h + sh (nom.)	4.0	B
Ck,a + h + sh (nom.)	4.0	B

DIMENSIONS

See B.S.448/B5B/2.1

NOTES

A. Breakdown value with cathode positive to heater.
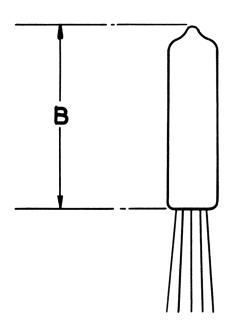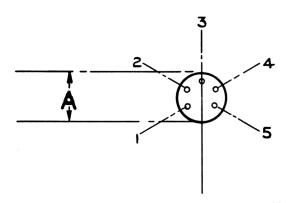
B. Measured with a close fitting metal shield.

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions			Test		Limits		No. Tested	Note
						Min.	Max.		
	See K1001/A111			CAPACITANCES (pF)					
	Links to H.P.	Links to L.P.	Links to E						
a	2,5	1,3,4,sh.	-	Ca,k + h + sh		3.25	4.7	6 per week	1
	3	1,2,4,5,Sh.	-	Ck,a + h + sh		2.75	5.2		
	Vh	Va							
b	4.0	-		Ih	(mA)	210	250	100%	
c	4.0	5		Ia	(mA)	20	-	100%	
d	4.0	Resistance between cathode and Anode 40K ohms		Ia	(µA)	5	25	100%	
e	4.0	- 100		Anode-all Leakage	(µA)	-	5	100%	
f	4.0	Vh,k							
		(1) 20V D.C. (Cathode positive)		Ih,k	(µA)	-	1.0	100%	2
		(2) 90V D.C. (Cathode positive)		Ih,k	(µA)	-	4.5	100%	2
		(3) 90V D.C. (Cathode negative)		Ih,k	(µA)	-	9.0	100%	2

NOTES

1. Measured with a close fitting metal shield. Connections refer to valve pins. All shall be measured at a frequency of at least 1.0 Mc/s.

2. See K1001/5.3 except that the voltages and limits shall be as shown.

B

3

2

4

1

5

A

BULB STRAIGHTNESS TEST.

THE FINISHED VALVE MUST PASS THROUGH
A CYLINDRICAL GAUGE OF LENGTH AT LEAST
EQUAL TO THAT OF THE BULB. I.D. OF
CYLINDER=0.218 INCH MAX.