VALVE ELECTRONIC CV572 (6X5G)

MINISTRY OF SUPPLY (S.R.D.E)

Specification MOS/CV572/Issue 4 Dated:- 8.7.46 To be read in conjunction with K1001 ignoring clauses:- 5.2 and 5.8	SECURITY Specification: Restricted	Valve: Restricted

→ indicates a change

TYPE OF VALVE:- High Vacuum full wave rectifier
CATHODE:- Indirectly heated
ENVELOPE:- Glass - unmetallised
PROTOTYPE:- 6X5G

MARKING
See K1001/4
Additional marking:-
6X5G

RATING			Note
Heater voltage	(V)	6.3	
Nominal heater current	(A)	0.6	
Max. applied R.M.S. voltage	(V)	325	
Max. working peak inverse voltage	(V)	900	
Max. no load peak inverse voltage	(V)	1100	
Max. mean D.C. rectified current	(mA)	70	
Max. peak anode current	(mA)	210	
Max. reservoir condenser	(uF)	16	
Min. limiting resistance per anode	(ohms)	150	
Max. D.C. heater-cathode potential	(V)	450	
(Ratings apply to condenser input filter and 50 c.p.s. supply).			

BASE see K1001/AI/D2 10 M Dimension (ii) applies

Pin	Electrode
1	No connection
2	Heater
3	Anode
4	Pin omitted
5	Anode
6	Pin omitted
7	Heater
8	Cathode

DIMENSIONS
See K1001/AI/D1

Dimension	Min.	Max.
A mm	-	105
B mm	-	40

CV572

TESTS

To be performed in addition to those applicable in K1001

	Test conditions		Test	Limits		No. tested
	Vh	Va		Min.	Max.	
a	250 volts D.C. applied between heater and cathode with cathode positive with respect to heater.		Heater cathode insulation leakage current (uA)	-	250	100%
b	6.3 A.C. or D.C.	-	Ih (A)	-	0.66	100% or S
c	6.3 A.C. or D.C.	30 D.C. max.	Ia (mA) (Note 1)	80	-	100%
1	6.3 A.C.	Input voltage 325-0-325 R.M.S. Frequency 50 c.p.s. D.C. load 70 mA Reservoir condenser 4 uF. Effective resistance per anode introduced externally 150 ohms.	Load test Output voltage Run 1 minute reject for softness or persistent flashover.	350	-	5% (20)

NOTES

1. Test to be applied to each anode.