MINISTRY OF SUPPLY D.L.R.D.(A)/R.A.E.

VALVE ELECTRONIC **CV2217**

Specification MOSA/CV.2217 Issue 2 Dated 24.7.53 To be read in conjunction with K.1001	SECURITY Specification: UNCLASSIFIED Valve: UNCLASSIFIED

⟶ Indicates a change

TYPE OF VALVE - Gas-filled triode
CATHODE - Indirectly heated
ENVELOPE - Glass-Metallised
PROTOTYPE - 6K25

MARKING
See K.1001/4

RATING			Note
Heater Voltage	(V)	6.3	
Heater Current	(A)	1.02	
Max. Anode Voltage	(V)	400	
Max. Peak Anode Current	(mA)	500	
Grid Control Ratio		20	
Max. Anode-Cathode Voltage Drop	(V)	70	A

BASE
I.0

CONNECTIONS

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

DIMENSIONS
See K.1001/A1/D1

Dimension	Min.	Max.
A m.m.	-	90
B m.m.	-	32

NOTES

A. The voltage drop at Ia = 150 mA is 40V

To be performed in addition to those applicable in K.1001

	Test Conditions				Test	Limits		No. Tested	Note
						Min.	Max.		
	Before the following tests are made the valves should be pre-heated for a period of 1 minute under the following conditions:- Vh = 6.3, Va = Vg = 0, 50V DC between heater and cathode, the cathode being positive.								
	Vf	Va	Vg	Ia (mA)					
a	6.3	0	0	0	Ih (A)	0.92	1.12	100% or S	
b	6.3	100	-20	-	Reverse Ig (μA)	-	1.0	100%	
c	6.3	100 through 1000Ω	Reduce Vg until Ia flows		Striking Bias (V)	-3.6	-5.9	100%	
d	5.5	Adjusted. Applied through not less than 100	0	100	Anode-Cathode voltage drop (V)	-	70	100%	
e	6.3	0 Cathode 50V positive to negative heater terminal.	0	-	Heater-Cathode leakage current (μA)	-	15.0	100%	