MINISTRY OF SUPPLY (DCD)

VALVE ELECTRONIC **CV265**

Specification MAP/CV265/Issue 4
Dated 4.10.46.
To be read in conjunction with
K.1001

SECURITY

Specification	Valve
[redacted] Unclassified	[redacted] Unclassified

→ Indicates a change

TYPE OF VALVE - Damping Diode

CATHODE - Indirectly heated

ENVELOPE - Glass-unmetallised

MARKING

See K.1001/4

RATING		Note
Heater Voltage (V)	4.0	
Heater Current (A)	2.0	
Short Pulse Peak Inverse Voltage (kV)	4.0	B
Fault Pulse Peak Inverse Voltage (kV)	5.5	A & B
Maximum Peak Current (A)	15.0	B
Maximum Anode Dissipation (W)	5.0	
Maximum Working bulb temperature (°C)	150	
TYPICAL OPERATING CONDITIONS		
Peak Anode Current (A)	12	
Anode Dissipation (W)	3.5	
D.C. Resistance at 12A peak Ia (Ω)	36	

BASE

I.O.

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

Cathode to mid point of heater

TOP CAP

See K.1001/A1/D5.1

DIMENSIONS

See K.1001/AI

Dimension		Min.	Max.
A	(mm)	91	101
B	(mm)	31	33

NOTES

A. For a maximum period of 50 milliseconds.

B. Pulse length 1 μsec. and p.r.f. 1200 per second.

To be performed in addition to those applicable in K1001.

	Test Conditions	Test	Limits		No. Tested
			Min.	Max.	
a	V_h = 4.0	I_h (A)	1.8	2.2	100%
b	Va to give Ia = 15A peak. Tp = 2 µsec. PRF = 400 per sec.	D.C. Resistance (Ω)	30	40	100%
c	Apply 5.5 kV peak in the reverse direction. T_p = 1 µsec. PRF = 1200 per sec.	Reject for persistent flash-over.			100%