

Specification MAP/CV265/Issue 4. Dated 4.10.46. To be read in conjunction with K.1001	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> RESTRICTED

→ Indicates a change

<u>TYPE OF VALVE</u> - Damping Diode			<u>MARKING</u>		
<u>CATHODE</u> - Indirectly heated			See K.1001/4		
<u>ENVELOPE</u> - Glass-ummatalised					
<u>RATING</u>			<u>BASE</u>		
			I.O.		
			Note		
Heater Voltage (V)	4.0		Pin	Electrode	
Heater Current (A)	2.0		1	No connection	
Short Pulse Peak Inverse Voltage (kV)	4.0	B	2	Heater	
Fault Pulse Peak Inverse Voltage (kV)	5.5	A & B	3	No connection	
Maximum Peak Current (A)	15.0	B	4	No connection	
Maximum Anode Dissipation (W)	5.0		5	No connection	
Maximum Working bulb temperature (°C)	150		6	No connection	
			7	Heater	
			8	No connection	
			TC	Anode	
			Cathode to mid point of heater		
<u>TYPICAL OPERATING CONDITIONS</u>			<u>TOP CAP</u>		
Peak Anode Current (A)	12		See K.1001/A1/D5.1		
Anode Dissipation (W)	3.5				
D.C. Resistance at 12A peak Ia (Ω)	36		<u>DIMENSIONS</u>		
			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	$V_a$ to give $I_a = 15A$ peak. $T_p = 2 \mu\text{sec.}$ PRF = 400 per sec.	D.C. Resistance ( $\Omega$ )	30	40	100%
c	Apply 5.5 kV peak in the reverse direction. $T_p = 1 \mu\text{sec.}$ PRF = 1200 per sec.	Reject for persistent flash-over.			100%