

Specification MAP/CV412/Issue 2 Dated 21.7.49 To be read in conjunction with K1001 excluding clauses 5.8.	<u>SECURITY</u> <u>Specification</u> <u>Valve</u> RESTRICTED UNCLASSIFIED
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→ Indicates a change

<u>TYPE OF VALVE</u> - Absorber Diode <u>CATHODE</u> - Indirectly heated <u>ENVELOPE</u> - Glass, unmetallised <u>PROTOTYPE</u> - A.800	<u>MARKING</u> See K1001/4		
	<u>PACKING</u> See K1005		
	<u>BASE</u> B4		
<u>RATINGS</u>	<u>CONNECTIONS</u>		
	Note	Pin	Electrode
Heater Voltage (V)	4.0	1	Anode
Heater Current (A)	2.0	2	No connection
Max. Anode Voltage (kV)	1.0	3	Heater
Max. Anode Current (mA)	100	4	Heater
Max. Anode Dissipation (W)	5.0	T.C.	Cathode
Max. Peak Anode Current (A)	8.0		
Max. H-C Voltage (kV)	3.0		
(with cathode + ve)			
Max. Peak H-C voltage (kV)	7.0		
<u>CAPACITANCE (pF)</u>		<u>DIMENSIONS</u> See K1001/A1/D1	
Cc - ah	7.0	Dimension	Min. Max.
		A (mm.)	- 140
		B (mm.)	- 45
		L (mm.)	- 125
		<u>TOP CAP</u> See K1001/A1/D5.1	

CV412

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
					Min.	Max.	
a	Vh(V)	Va(V)	Ia(mA)	Ih (A)	1.8	2.2	100% or 3
	4.0	0	-				
b	4.0	Adjust	100	Va (Value to be noted) (V)	15	20	100%
c	4.0	As in clause (b) Va to be swung \pm 5V		Ia change (mA)	65	-	100%
d	See K. 1001/5.3. Applied voltage = 7kV. Protective resistance = 10M Ω			<u>Heater-cathode</u> <u>Insulation</u> Ih-c (μ A)	-	25	100%