

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> Classified 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	V _h (V)	V _a (V)	I _a (mA)	I _h (A)	1.8	2.2	100% or 3
	4.0	0	-				
b	4.0	Adjust	100	V _a (Value to be noted) (V)	15	20	100%
c	4.0	As in clause (b) V _a to be swung $\pm$ 5V		I _a change (mA)	65	-	100%
d	See K. 1001/5.3. Applied voltage = 7kV. Protective resistance = 10M Ω			<u>Heater-cathode</u> <u>Insulation</u> I _{h-c} (μ A)	-	25	100%