

Specification MAP/CV430 Issue 2 Dated 31.1.52. To be read in conjunction with K1001 ignoring clause:- 5,8	<u>SECURITY</u>	
	<u>Specification</u> UNCLASSIFIED	<u>Valve</u> UNCLASSIFIED

→ Indicates a change

<u>TYPE OF VALVE</u> - Saturated Diode <u>CATHODE</u> - Directly Heated <u>ENVELOPE</u> - Glass, unmetallised <u>PROTOTYPE</u> - 29C1			<u>MARKING</u> See K1001/4	
			<u>BASE</u> I.O.	
<u>RATING</u>			<u>CONNECTIONS</u>	
		Note	Pin	Electrode
Filament Voltage	(V)	4.0		
Filament Current	(A)	0.8		
Max. Anode Voltage	(V)	100		
Max. Anode Supply Voltage	(V)	250		
Max. Anode Current	(mA)	3		
Slope of I_a/V_f Characteristic	(mA/V)	6.5	A 1	F1
Slope of I_a/V_a Characteristic	(μA/V)	3.2	A 2	F1
			A 3	No Connection
			4	F1
			5	A
			6	F2
			7	F2
			8	F2
			<u>DIMENSIONS</u> See K1001/AI/D1	
			<u>Dimension</u>	<u>Min.</u>
			A	67
			B	-
			C	33
<u>NOTE</u>				
A. Measured with $V_a = 100$ V; $I_a = 3$ mA.				

TESTS

To be performed in addition to those detailed in K1001

Test Conditions				Test	Limits		No. Tested	Note
	Vf (V)	Va (V)	Ia (mA)		Min.	Max.		
a	4.0	0	0	If (A)	0.72	0.88	100%	
b	Adjust to give Ia = 3mA at Va=125V.	Reduce from 125V to 75V	-	Ia change (mA)	-	0.20	100%	
c	Adjust	100	3	Vf (V)	3.93	4.27	100%	←
d	Increase to 0.1 V from value arrived at in Test c	100	-	Ia rise (mA)	0.49	0.81	100%	←