

Specification <u>MAP/CV1054/Issue 9</u> Dated 6.1.49. To be read in conjunction with K1001	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> UNCLASSIFIED

→ Indicates a change

<u>TYPE OF VALVE</u> - Double Diode (separate cathodes)				<u>MARKING</u> See K1001/4			
<u>CATHODE</u> - Indirectly heated				<u>PACKING</u> See K1005			
<u>ENVELOPE</u> - Glass - Metallised							
<u>PROTOTYPE</u> - EB34				<u>BASE</u> I.O.			
<u>RATING</u>			Note	<u>Pin</u>		<u>Electrode</u>	
Heater Voltage	(V)	6.3		1	Shield and		
Heater Current	(A)	0.2			Metallising		
Maximum Anode Voltage	(V)	200		A	2	Heater	
Maximum Anode Current	(mA)	7.5		A	3	Anode 2	
Maximum Anode Dissipation	(W)	0.1		A	4	Cathode 2	
Max. H-C Voltage (DC) with C +ve to H	(V)	300			5	Anode 1	
Max. H-C Voltage (DC) with H +ve to C	(V)	75			6	Pin omitted	
<u>CAPACITANCES (pF)</u>					7	Heater	
Anode 1 to all except Anode 2		5.0			8	Cathode 1	
Anode 2 to all except Anode 1		5.0		<u>DIMENSIONS</u> See K1001/AI/DI			
Anode 1 to Anode 2		0.2		<u>Dimension</u>		<u>Min.</u>	<u>Max.</u>
				A	(mm)	70	82
				B	(mm)	-	32
				C	(mm)	-	30
<u>NOTE</u>							
A. These are independent ratings. Operating conditions should never exceed 0.1 watt or 7.5 mA whichever occurs first.							

TESTS

To be performed in addition to those applicable in K1001

	Test Conditions			Tests	Limits		No. Tested			
					Min.	Max.				
a	See K1001/AIII using adaptor type 44			<u>Capacitances (pF)</u>			6 per week			
	Links to H.P.	Links to L.P.	Links to E							
	5	1,2,4,7,8	3,6,9 10,TC1 TC2					Anode 1 to all other electrodes except Anode 2	-	6.0
	3	1,2,4,7,8	5,6,9 10,TC1 TC2					Anode 2 to all other electrodes except Anode 1	-	6.0
	5	3	1,2,4,6,7,8,9,10,TC1,TC2	Anode 1 to Anode 2	-	0.5				
b	Vh	Va		Ih (A)	0.18	0.22	100% or S			
	6.3	0								
c	6.3	-1.3		Ia (μA)	-	0.3	100%			
d	6.3	-0.3		Ia (μA)	0.3	-	100%			
e	6.3	15		Ia (mA)	17	63	100%			

NOTE

1. Clauses c, d and e shall be applied to both diodes.