

RRE

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

→ Indicates a change

TYPE OF VALVE - Double Diode (separate cathodes)				MARKING	
CATHODE - Indirectly heated				See K1001/4	
ENVELOPE - Glass - Metallised				PACKING	
PROTOTYPE - EB34				See K1005	
RATING		Note		See K1001/AV/DI M Dimension (iii) applies	
Heater Voltage (V)	6.3			BASE I.O.	
Heater Current (A)	0.2				
Maximum Anode Voltage (V)	200	A		Pin	Electrode
Maximum Anode Current (mA)	7.5	A		1	Shield and Metallising
Maximum Anode Dissipation (W)	0.1	A		2	Heater
Max. H-C Voltage (DC) with C +ve to H	300			3	Anode 2
Max. H-C Voltage (DC) with H +ve to C	75			4	Cathode 2
CAPACITANCES (pF)				5	Anode 1
Anode 1 to all except Anode 2	5.0			6	Pin omitted
Anode 2 to all except Anode 1	5.0			7	Heater
Anode 1 to Anode 2	0.2			8	Cathode 1
				DIMENSIONS	
				See K1001/AI/DI	
				Dimension	Min. Max.
				A (mm)	70 82
				B (mm)	- 32
				C (mm)	- 30

NOTE

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</u> (pF)			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				
	3	1,2,4, 7,8	5,6,9 10,TC1 TC2				
	5	3	1,2,4, 6,7,8, 9,10, TC1, TC2				
	Vh	Va		Ih (A)	0.18	0.22	100% or S
b	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.