

Specification MAP/CV1055/Issue 7 Dated 25.1.49 To be read in conjunction with K.1001.		<u>SECURITY</u>	
		<u>Specification</u> RESTRICTED	<u>Valve</u> UNCLASSIFIED
→ Indicates a change			
<u>TYPE OF VALVE</u> - Double Diode Triode		<u>MARKING</u>	
<u>CATHODE</u> - Indirectly heated		See K.1001/4	
<u>ENVELOPE</u> - Glass, metallised		<u>PACKING</u>	
<u>PROTOTYPE</u> - EBC33		See K.1005	
		<u>BASE</u>	
		I.O.	
		<u>Pin</u>	<u>Electrode</u>
Heater Voltage (V) 6.3		1	Metallising
Heater Current (A) 0.2		2	Heater
Max. Anode Voltage (V) 300		3	Anode
Max. Anode Dissipation (W) 1.5		4	Diode 1
Mutual Conductance (mA/V) 2.0		5	Diode 2
Anode Impedance (Ω) 15,000		6	Pin omitted
Amplification Factor 30		7	Heater
		8	Cathode
		T.C.	Control grid
		<u>TOP CAP</u>	
		See K.1001/AI/D5.2.	
		<u>DIMENSIONS</u>	
		See K.1001/AI/D1	
		Dimension	Min. Max.
		A	(mm) 95 102
		B	(mm) - 36
<u>NOTE</u>			
A: At Va = 250, Vg = -5, Vd = 0.			

CV1055

TESTS

To be performed in addition to those applicable in K.1001.

Test Conditions					Test	Limits		No. Tested	Note
						Min.	Max.		
a	Vh	Va	Vg	Vd	Ih (A)	0.18	0.22	100% or S	
	6.3	0	0	0					
b	6.3	250	-5	0	Ia (mA)	4.0	7.5	100%	
c	6.3	250	-5	0	Reverse Ig (μ A)	-	0.5	100%	
d	6.3	250	-5	0	gm (mA/V)	1.8	-	100%	
Peak grid swing \pm 1.0V. max.									
e	6.3	250	-5	0	μ	29	37	100% or S	
f	6.3	0	0	-1.3	Id (μ A)	-	0.3	100%	1
g	6.3	0	0	-0.3	Id (μ A)	0.3	-	100%	1
h	6.3	0	0	10	Id (mA)	1.0	12.0	100%	1

NOTE

1: This test shall be applied to each diode separately.