

MINISTRY OF SUPPLY (DCD) RRE

VALVE ELECTRONIC
(VT73)

CV1073

Specification MAP/CV1073/Issue 4 Dated 30.8.46. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> RESTRICTED

→ Indicates a change

<u>TYPE OF VALVE</u> - Triode				<u>MARKING</u>	
<u>CATHODE</u> - Indirectly heated				See K1001/4	
<u>ENVELOPE</u> - Glass-unmetallised					
<u>PROTOTYPE</u> - H63					
<u>RATING</u>			Note	See K1001/A10/D2 M Dimension (ii) applies	
Heater Voltage	(V)	6.3		<u>BASE</u> I.O.	
Heat Current	(A)	0.3		Pin	Electrode
Max. Anode Voltage	(V)	250		1	No connection
Mutual Conductance	(mA/V)	1.5	A	2	Heater
Anode Impedance	(Ω)	66,000	A	3	Pin omitted
Amplification Factor		99	A	4	Anode
<u>NOTE</u> A. At $V_a = 250V.$, $V_g = -2.0V.$, $I_a = 1 \text{ mA.}$				5	Pin omitted
				6	Pin omitted
				7	Heater
				8	Cathode
				T.C.	Control Grid
				<u>TOP CAP</u>	
				See K1001/AI/D5.2	
				<u>DIMENSIONS</u>	
				See K1001/AI/D1.	
				Dimension	
A	(mm)	-	115		
B	(mm)	-	39		

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
	Vh	Va	Vg		Min.	Max.	
a	6.3	0	0	Ih (A)	0.277	0.323	100% or S
b	6.3	250	-2	Ia (mA)	0.7	1.4	100%
c	6.3	250	-3	Ia (μ A)	-	300	100%
d	6.3	250	-2	Reverse Ig (μ A)	-	1.0	100%
e	6.3	250	-2	gm (mA/V)	1.2	1.8	100%
Peak grid swing $\pm 1.0V$. max.							