

Specification MAP/CV1502/Issue 5 Dated 21.7.47. 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> : Output Pentode or Tetrode with Pen- tode Character- istics		<u>MARKING</u> See K1001/4	
<u>CATHODE</u> : Indirectly heated			
<u>ENVELOPE</u> : Glass-ummetallised			
<u>PROTOTYPE</u> : KT32			
<u>RATING</u>		<u>BASE</u>	
		I.O.	
		Pin	Electrode
		1	No connection
		2	Heater
		3	Anode
		4	Screen grid
		5	Control grid
		6	Pin omitted
		7	Heater
		8	Cathode
Note			
Heater Voltage (V)	26.0		
Heater Current (A)	0.3		
Max. Anode Voltage (V)	135		
Max. Screen Voltage (V)	135		
Max. Anode Dissipation (W)	10.0		
Max. Screen Dissipation (W)	1.35		
Mutual Conductance (mA/V)	10.0	A	
<u>NOTE</u>		<u>DIMENSIONS</u>	
A. At $V_a = V_{g2} = 135$, $I_a = 75$ mA.		See K1001/AI/D1.	
		Dimension	Min. Max.
		A (mm)	- 124
		B (mm)	- 45

To be performed in addition to those applicable in K1001.

Test Conditions						Test	Limits		No. Tested
							Min.	Max.	
<p>Before the following tests are made the valve shall be preheated for five minutes with $I_h = 0.3A$, $V_a = V_{g2} = 135$ and $I_a = 75$ mA. If the valve is of pentode construction the suppressor grid shall be connected to the cathode during preheating and during test.</p>									
	I_h	V_a	V_{g2}	V_{g1}	I_a (mA)				
a	0.3	0	0	0	0	V_h (V)	22.8	29.2	100% or S
b	0.3	135	135	-	75	V_{g1} (V)	5.7	10.0	100%
c	0.3	135	135	-	75	I_{g2} (mA)	-	10.0	100% or S
d	0.3	135	135	-	75	Reverse I_{g1} (μA)	-	2.5	100%
e	0.3	135	135	-	75	g_m (mA/V)	7.0	13.0	100%
Peak grid swing $\pm 1.0V$.max.									
f	0.3	24 thro- ugh 600 Ω	24	0	-	I_a (mA)	12.0	-	100% or S
g	0.3	24 thro- ugh 600 Ω	24	-3.0	-	I_a (mA)	-	2.0	100% or S