

Specification AD/CV1195/Issue 5. Dated 11.6.47. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE:-</u> H.F. Tetrode, variable- μ .		<u>MARKING</u>	
<u>CATHODE:-</u> Indirectly heated.		See K1001/4.	
<u>ENVELOPE:-</u> Glass, unmetallised.		<u>BASE</u>	
<u>PROTOTYPE:-</u> KTW63.		IO	
		See K1001/AIV/D2.	
<u>RATING</u>		<u>Pin</u>	<u>Electrode</u>
Heater Voltage (V)	6.3	1	No connection
Heater Current (A)	0.3	2	Heater
Max. Anode Voltage (V)	250	3	Anode
Max. Screen Voltage (V)	125	4	Screen grid
Mutual Conductance (mA/V)	1.5	5	No connection
		6	Pin omitted
		7	Heater
		8	Cathode
		TC	Control grid
<u>CAPACITANCES (pF.)</u>		<u>TOP CAP</u>	
Cag (max.)	0.006	See K1001/AI/D5.2.	
Cae	7.5		
Cge	4.7		
<u>NOTES</u>		<u>DIMENSIONS</u>	
A. $V_a = 250$ V, $V_{g2} = 125$ V, $V_{g1} = 0$ V.		<u>Dimension</u>	<u>Min.</u> <u>Max.</u>
B. Measured with external screen.		A mm	- 120
		B mm	- 40
		<u>PACKING</u>	
		See K1001/7.	

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				Test	Limits		No. Tested
						Min.	Max.	
a	See K1001/AIII.				<u>Capacitances</u> (pF.)			
	Links to H.P.	Links to L.P.	Links to E.	i. Cag				
	3	1,2,4,5, 7,8.	TC1,6,9, 10,TC2.	ii. Cae	6.0	9.0	6	
	TC1	1,2,4,5, 7,8.	3,6,9, 10,TC2.	iii. Cge	4.0	5.5	per week.	
b	Vh (V)	Va (V)	Vg2 (V)	Vg1 (V)	Ih (A)	0.27	0.33	100% or S
	6.3	0	0	0				
c	6.3	250	100	-3	Ia (mA)	5.5	9.5	100%
d	6.3	250	100	-3	Ig2 (mA)	1.2	2.45	100% or S
e	6.3	250	100	-3	gm (mA/V)	1.0	2.0	100%
f	6.3	250	100	-40	Ia tail (μA)	2	170	100%
g	6.3	250	100	-3	Reverse (μA) Ig	-	1.0	100%