

ADMIRALTY SIGNAL ESTABLISHMENT

AswE

Specification AD/CV1195/Issue 5.
Dated 11.6.47.
To be read in conjunction with K1001.

SECURITY

Specn. Restricted	Valve Unclassified
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TYPE OF VALVE:- H.F. Tetrode,
variable- μ .
CATHODE:- Indirectly heated.
ENVELOPE:- Glass, unmetallised.
PROTOTYPE:- KTW63.

MARKING

See K1001/4.

BASE

IO

See K1001/AIV/D2.
*M dimension (II) applies*RATING

Note

Heater Voltage (V)	6.3	A
Heater Current (A)	0.3	
Max. Anode Voltage (V)	250	
Max. Screen Voltage (V)	125	
Mutual Conductance (mA/V)	1.5	

Pin

Electrode

1	No connection
2	Heater
3	Anode
4	Screen grid
5	No connection
6	Pin omitted
7	Heater
8	Cathode
TC	Control grid

CAPACITANCES (pF.)

Cag (max.)	0.006	B
Cae	7.5	B
Cge	4.7	B

TOP CAP

See K1001/AI/D5.2.

DIMENSIONS

See K1001/AI/D1.

NOTES

A. $V_a = 250$ V, $V_{g2} = 125$ V, $V_{g1} = 0$ V.
B. Measured with external screen.

Dimension	Min.	Max.
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A mm	-	120
B mm	-	40

PACKING

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	-	0.006	T.A.	
	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%