

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV52/Issue 4. Dated 10.3.47. To be read in conjunction with K1001.	SECURITY Specn. <u>Valve</u> Restricted <u>Unclassified</u>
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<u>TYPE OF VALVE:-</u> U.H.F. Triode <u>CATHODE:-</u> Indirectly Heated. <u>ENVELOPE:-</u> Glass. <u>PROTOTYPE:-</u> E1231.	<u>MARKING</u> See K1001/4.
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<u>RATING</u>	Note	<u>BASE AND CONNECTIONS</u>
Heater Voltage (V) 6.3 Heater Current (A) 0.75 Max. Anode Voltage (V) 200 Max. Anode Dissipation (W) 12 Amplification Factor 12 Mutual Conductance (mA/V) 8 Anode Impedance (ohms) 1500 Average Anode Current (mA) 60 Approx. efficiency (%) at 50 cm. (%) 27 at 25 cm. (%) 4		See Fig. 1, page 2.
<u>CAPACITANCES (pF. approx.)</u> Cgc 2.5 Cag 2.3 Cac 2.8		
		<u>DIMENSIONS</u> See Fig. 1, page 2.
		<u>PACKING</u> See K1001/7.

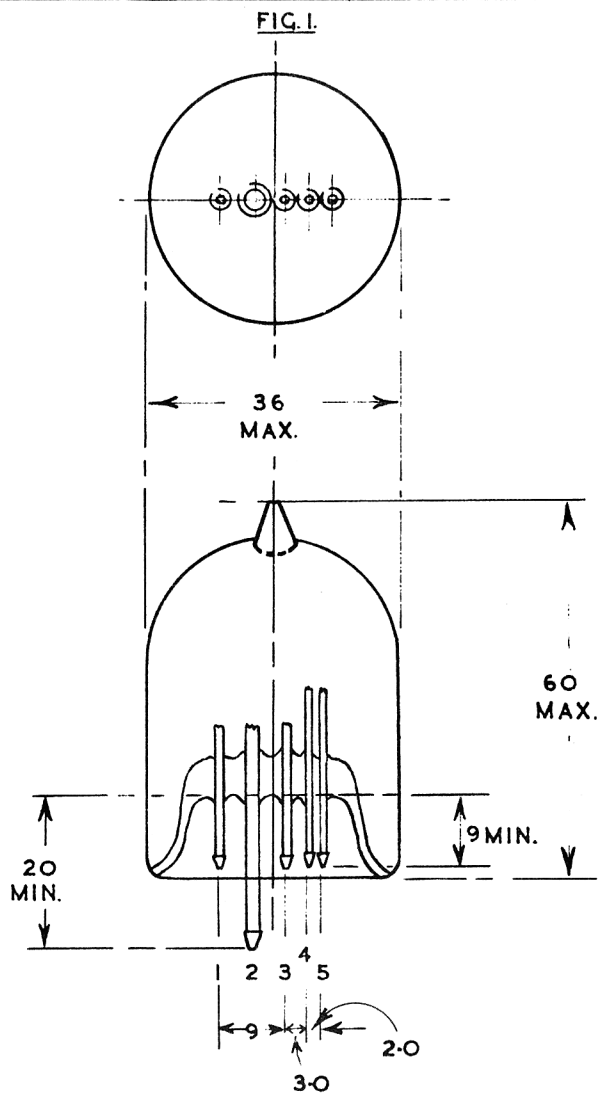
NOTES

- A. At $V_a = 100$ V, $V_g = 0$ to -2 V.
 B. At 10 watts input.
 C. Including valve pins.

TESTS

To be performed in addition to those applicable in K1001.

	<u>Test Conditions</u>				<u>Test</u>	<u>Limits</u>		<u>No. Tested</u>
	V_h (V)	V_a (V)	V_g (V)	I_a (mA)		Min.	Max.	
a	6.3	0	0	0	I_h (A)	0.69	0.81	100%
b	6.3	100	0		I_a (mA)	35	85	100%
c	6.3	100	0 to -2		g_m (mA/V)	4.5	12.0	100%
d	6.3	200	adjusted	60	$-I_g$ (μ A)	-	50	100%



PIN No.	PIN DIAM m.m.	ELECTRODE.
1	1.0 ± 0.02	ANODE
2	2.5 $+0.025$ -0.05	GRID
3	1.0 ± 0.02	ANODE
4	1.0 ± 0.02	CATHODE & HEATER
5	1.0 ± 0.02	HEATER

ALL DIMENSIONS ARE IN MILLIMETRES.