

MINISTRY OF SUPPLY (D.L.R.D.)/RAE

SPECIFICATION MDSA/CV1135. ISSUE NO. 7 DATED 15.9.57. To be read in conjunction with K1001., BSL409 and BS448.	<u>SECURITY</u>	
	<u>SPECIFICATION</u> Unclassified	<u>VALVE</u> Unclassified

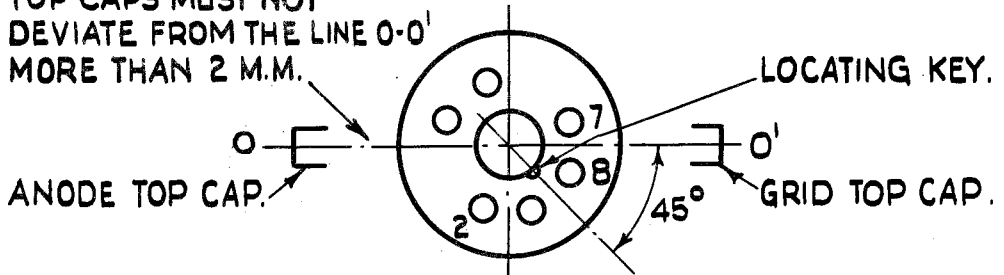
→ Indicates a change

TYPE OF VALVE:- Triode.		<u>MARKING</u>	
CATHODE:- Indirectly heated.		See K1001/4.	
ENVELOPE:- Glass - unmetallised.			
PROTOTYPE:- E1148.			
<u>RATINGS</u>		<u>BASE</u> BS448/B8-0/1.1.	
		<u>NOTES</u>	
Heater Voltage (V)	6.3	<u>CONNECTIONS</u>	
Heater Current (A)	0.21		
Max. Anode Voltage (V)	500	A	PIN
Max. Anode Dissipation (W)	1.0	A	ELECTRODE
Max. Anode Current (approx. mean peak) (mA)	200		1 No connection NC.
Mutual Conductance (mA/V)	3.0	B	2 Heater h.
Max. Operating Frequency (Mc/s)	300		3 No pin N.P.
			4 No connection NC.
			5 No connection NC.
			6 No pin N.P.
			7 Heater h.
			8 Cathode k.
			TC1 Grid gl.
			TC2 Anode a.
<u>CAPACITANCES (pF)</u>		<u>DIMENSIONS</u>	
Cag. (nom).	2.1	See drawing on page 3.	
Cin. (nom).	2.15		
Cout. (nom).	0.8	<u>TOP GAP</u>	
		BS448/6/1.1./CT.1.	
<u>NOTES</u>			
A:- When used as a self-oscillator under pulse conditions.			
B:- Measured at $V_h = 6.3$ , $V_a = 250$ , $V_g = 5.5$ .			
C:- The valve must be suitable for use under pulse conditions with values of heater voltage between 6.3 and 7.5 volts.			

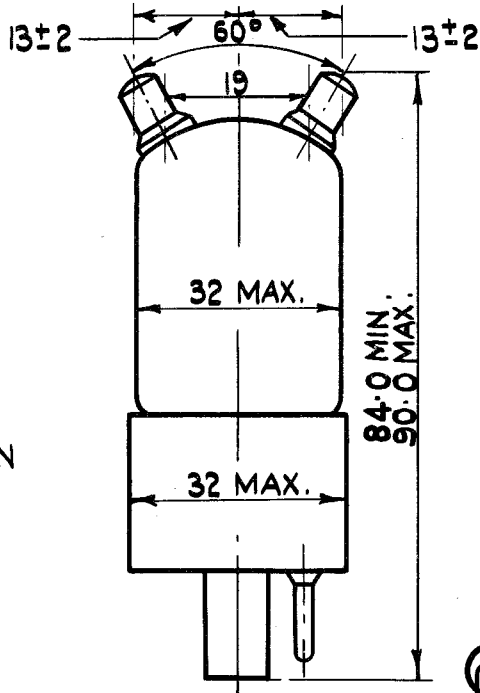
To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested
					Min.	Max.	
a	See K1001/AlII			Capacitances (pF)			6  per week
	Links to H.P.	Links to I.P.	Links to E.				
	TC2	1,2,4,5,7,8.	TC1,3,6,9,10.				
	TC1	1,2,4,5,7,8.	TC2,3,6,9,10.				
	TC2	TC1	1,2,3,4,5,6,7,8,9,10.	1. Cout.	-	1.3	
				2. Cin.	-	2.5	
				3. Cag.	1.8	2.4	
b	Vh	Va	Vg	Ih (A)	0.18	0.22	100% or S
	6.3	0	0				
c	6.3	250	-5.5	Ia (mA)	9.8	18.2	100%
d	6.3	250	-5.5	gm (mA/V)	2.25	3.75	100%
	Peak grid swing $\pm 0.5V$ . max.						
e	6.3	250	-5.5	Reverse Ig ( $\mu A$ )	-	1.0	100%
f	Valve to be tested in the circuit on page 3 (or similar approved circuit).			Peak Ic (mA)	120	-	100%

THE CENTRES OF THE TOP CAPS MUST NOT DEVIATE FROM THE LINE 0-0' MORE THAN 2 M.M.



VIEW OF UNDERSIDE OF BASE.



ALL DIMENSIONS IN MILLIMETRES.

