

FERRANTI DOUBLE TETRODE ELECTROMETER VALVE

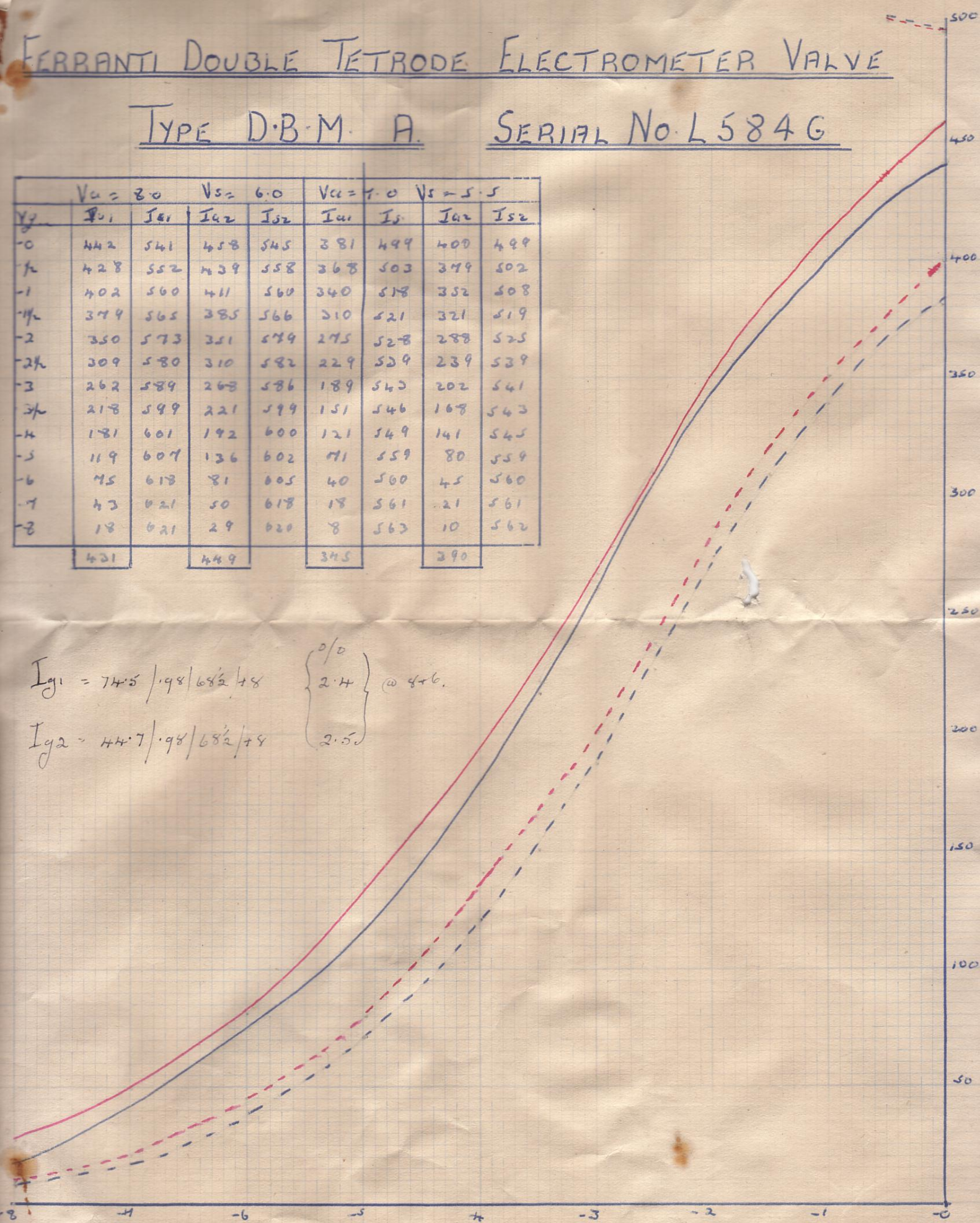
TYPE D.B.M. A.

SERIAL NO. L584G

V _g	V _{c1} = 8.0		V _s = 6.0		V _{c1} = 7.0		V _s = 5.5	
	I _{g1}	I _{g2}	I _{g1}	I _{g2}	I _{g1}	I _{g2}	I _{g1}	I _{g2}
0	442	541	458	545	381	499	400	499
1/2	428	552	439	558	368	503	399	502
-1	402	560	411	560	340	518	352	508
-1 1/2	379	565	385	566	310	521	321	519
-2	350	573	351	579	275	528	288	525
-2 1/2	309	580	310	582	229	529	239	539
-3	262	589	268	586	189	543	202	541
3/4	218	599	221	599	151	546	169	543
-4	181	601	192	600	121	549	141	545
-5	119	607	136	602	71	559	80	559
-6	75	618	81	605	40	500	45	560
-7	43	621	50	618	18	561	21	561
-8	18	621	29	620	8	563	10	562
	421		449		345		390	

$$I_{g1} = 74.5 / .98 / 68^2 / 48 \quad \left. \begin{matrix} 0/0 \\ 2.4 \end{matrix} \right\} @ 4+6.$$

$$I_{g2} = 44.7 / .98 / 68^2 / 48 \quad \left. \begin{matrix} 0/0 \\ 2.5 \end{matrix} \right\}$$



GRID POTENTIAL (VOLTS)

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TYPE D.B.M. A

SERIAL NO. L584G

TEST CONDITIONS

I_{A1} / V_{G1} CURVE

$V_H = 8.0$ VOLTS
 $V_{A1} =$
 $V_{A2} =$
 $V_S =$ } see Graphs
 $V_{G2} =$
 $V_{G1} =$ }

Relative
to the
Cathode

I_{A2} / V_{G2} CURVE

$V_H = 8.0$ VOLTS
 $V_{A1} =$
 $V_{A2} =$
 $V_S =$ } see Graphs
 $V_{G1} =$
 $V_{G2} =$ }

$I_H = 115 \mu A @ V_H = 8.0$

TO ACHIEVE MAXIMUM CONTROL GRID INSULATION
THE VALVE SHOULD BE OPERATED UNDER DRY
CONDITIONS IN DARKNESS AND THE CATHODE
MAINTAINED AT 8.0 TO 10.0 VOLTS + VE RELATIVE
TO HEATER - V_e

ADEQUATE ELECTRICAL SCREENING IS ESSENTIAL

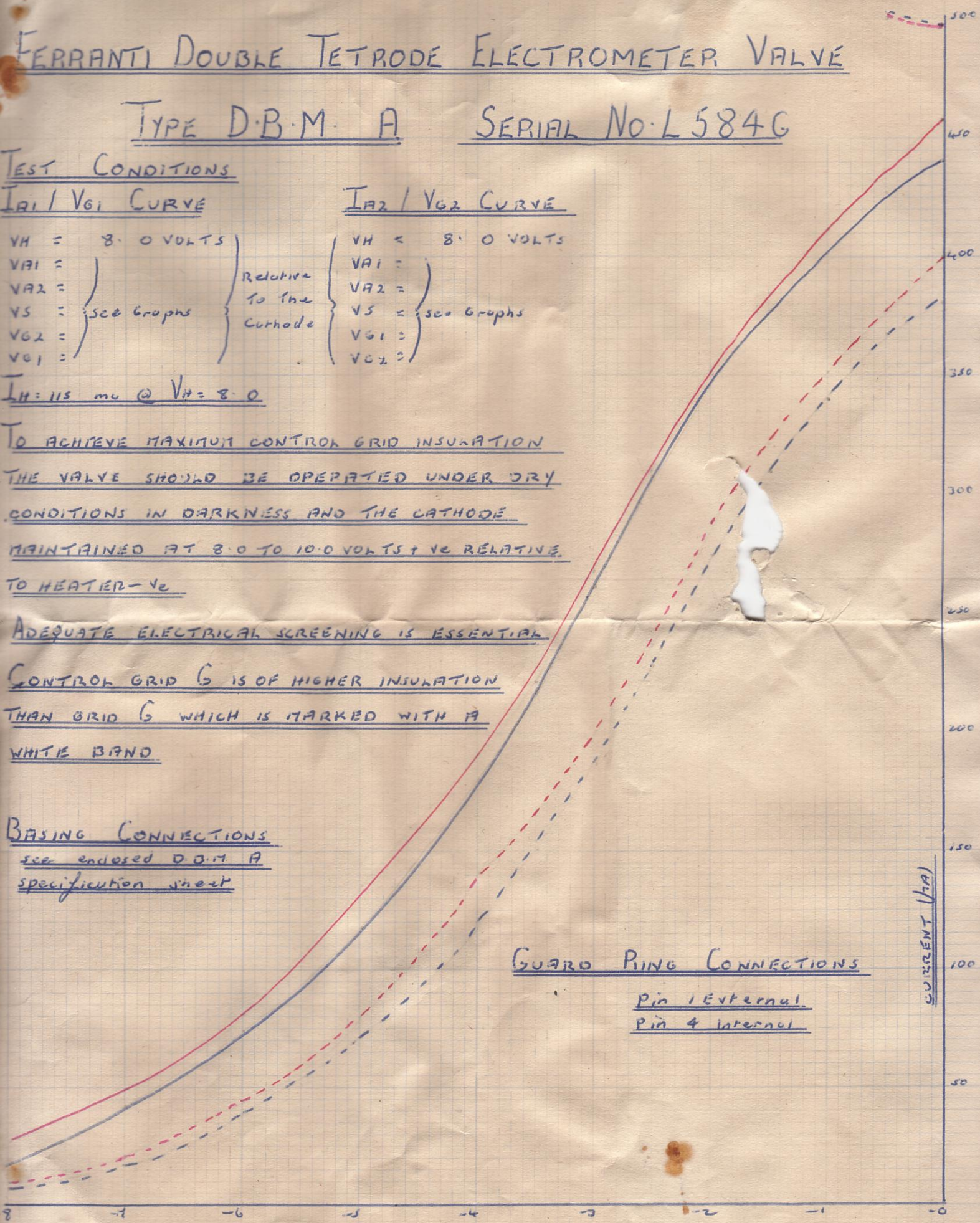
CONTROL GRID G_2 IS OF HIGHER INSULATION
THAN GRID G_1 WHICH IS MARKED WITH A
WHITE BAND.

BIASING CONNECTIONS

see enclosed D.B.M. A
specification sheet

GUARD RING CONNECTIONS

Pin 1 External.
Pin 4 Internal.



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