DATE

PAGE NO.

EXPT. NO.

Slope = 
$$\Delta y = 0.08 = 0.26 \text{ K}$$

(Kis bollzman constant (8.6×105 cVK-1))

= 2× 8-6×10-5 × 2.3026 ×1000 × 0.26

= 0.10 eV

:. Eg = 0.10 eV ( dus)

EXPT. NO.

## OBSERVATION TABLE :-

				-			
SLNO	TEMPERATURE	TEMPERATURE	VOLTAGE	CURRENT	RESISTIVITY	1000	log e
	in°C.	ink	(WV)	(mA)	(Ovan-melsie)	(K-1)	
							- 70
1	25	298	87.24	3	6.19	3.35	0.79
2	30	303	85.16	3	6.04	3-30	0.78
3	35	308	82.70	3	5.87	3-24	0.76
4	40	313	80-38	3	5.70	3.19	0.75
5	45	318	78.20	3	5.55	3.14	074 -
6	50	323.	76.15	3	5.40	3.09	0.73
7	55	328	74.21	3	5.26	3.04	0.72 -
8	60	333	72.37	3	5.13	9-00	071
9	65	338	70.63	3	5-01	2-95	0.69
10	40	343	68.99	3	4.89	2.91	0.68
11	75	348	67.42	3	4.76	2.87	0.67
12	80	353	65.94	3	4.68	2.83	0.67
13	85	358	64.53	3	4.48	2-79	0.66
14	90	363	63.18	3	4.48	2.75	0.65
15	95	368	61.90	3	4.39	2.71	0.64
1.7							
	A Demander of the last						THE RESERVE OF THE PARTY OF THE

Me know $l_0 = \frac{\langle V \rangle \langle S \rangle}{\langle I \rangle}$ And offer including connection factor $l = l_0$ Now substituting the proper value: $-l_0 = V \times 2 \times 3 \times 1 \times 1$	
(W/S) Distance between phobe=020 (W/S) Thickness of wester = 0.05 × 2×3-14 × 0.200 (W) cm	

