Name et Zala Divy Bulderbhui Robl no. 3 Adus Add No. : 1 UZOCSOUS Tytosiul:> 2

(7) diffusion const. = 
$$13 \text{ cm}^2/\text{Sec}$$

gsudient =  $\frac{dP}{dx} = -2 \times 10^{14} \text{ holes/cm}^3/\text{cm}$ 

$$T_P = -P D_P \frac{dP}{dx}$$

$$= 1.6 \times 10^{19} \times 13 \times -2 \times 10^{14}$$

Hand Writin Tut :+2 Vcc (2) +1 LTR=JE RS= VS-VF JF. LED YS OFF (i) VF=2V IF= JomA Vs= 5V Amos of a 300 (ii) VF=2V V5= 5 V Ip = 2 Rs= 2000 FF = Varver 0.63 =- 30mAcoust 22020 RS 100 (3) VCC JFR=FF RS= V5-VLED RSZ V5 sever > VLED = 3x7.2 = 3.6V



		Mala description	
	VIED = 3.6 V		
	AS= VS-VLED		
	7.		
	- 5-3.6		
	10 mA		
	RG = NO.		
	775		
(y)		LED forward Voltuge = 2-9V	
	- { R <sub>1</sub>	LED PERWUS & CUSSENT = ILLOOMA	
7	V T LED	EE 12 1 ****** (1938111 = 14001111)	
	<b>V</b>	0-17	
	of Parties		
	= 801x 7.4		
		P-11.34 MWutts	
( <del>-</del> )		(18) N: 12 (28)	
(5)	<b>→</b> V <sup>1</sup>		
	Vmux-10	as ing only and by water	
	0 6 8		
	0 91 92	T=1/c= 1/1000	
		T=1msec	
_V <sub>1</sub>	Nux=20V	:. +1 = 0.5 ms	
	j	£2 = 0.5 ms	
	(न्=कंगि		
	+	+	
	<del>\</del>		
,	v: +1	R \$400KJV0=3	
		5 /	
	_		
	-		
	IL		

