作业纸

课程名称:_____

班级,

学班级:

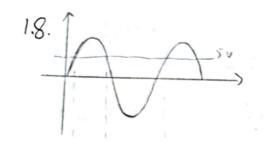
姓名:

学号

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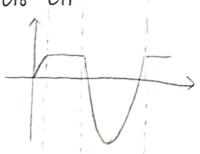
1. $I = \frac{U - U_D}{R} = \frac{10V - 0.7V}{5.1 kn}$ = 1.8 × 10⁻¹A

2. 温度升高, 此减小, 工增大

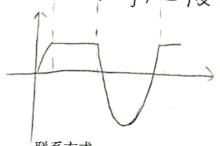


(a) U:正半周且大ラSV时,二松管截止 Uo= JV

Ui为页半周或小于5V时,二极管导通, Ui。= Ui



(b) Ui>5V时, 二极管导通, Ui=5V Ui<5V时, 二极管截止, Ui=Ui



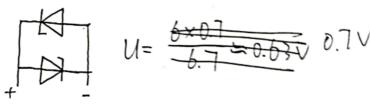
联系方式:

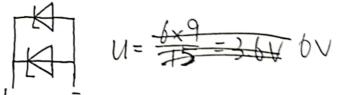
1.9. 串联: + - - U=0.7 V+0. =1.4 V

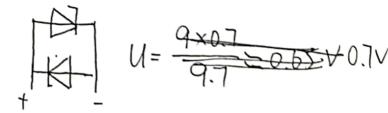
+ U=9V+0.7V=9.7V

+ U=9V+6V=15V

并联: U= 0.354 0.7 V







1.10. 1. 若Uo=6V, Io= 6V = 6×103A=6MA

I = \frac{200 \tau - 0.078 \text{ = 58 my}}{200 \text{ = 0.078 \text{ = 58 my}}

Iz= 28mA-6mA= 22mA

T稳max= 200mW = 33.3mA

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10mA < 23 mA < 31. } mA 二稳压管正常作用

5.17

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2. 君Uo=6V, Io=6V = 100m = 10mA

$$I = \frac{20-6}{500} = 18 \text{ mA}$$

Iz= -32mA 稳压管无法正常压工作

$$U_0 = 20 \times \frac{100}{500 + 100} = 3.3V$$

- 3. RL开路则稳压管无法正常工作
- 4. Izmax= 7v-6v=2mA<10mA 二、元光I作