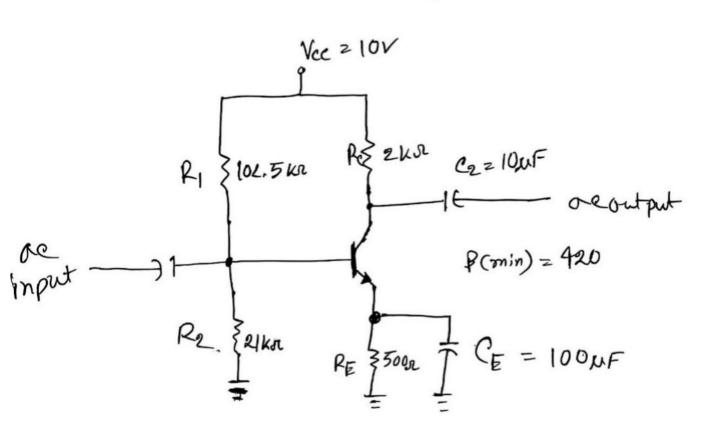
2023 [00000158

1+5+8 = 14 (even); BJT model is BC547C

Vec = 2 YCE = 10V

Tez 2.0mA VCE = 5.0V

B (min) - 420



2 2KJZ

2 1.7V

RZ 4 TOBRE

$$1.7 = \frac{21}{R_1 + 21} \times 10$$

2 102.5 Kir

: P2 £ 21 KR

2 13 R

input impedence, Zin z Ri || Re || Bre

$$\frac{1}{102.5} + \frac{1}{21} + \frac{1}{102.5}$$

$$\frac{1}{21} + \frac{1}{102.5} + \frac{1}{21} + \frac{1}{102.5}$$

$$\frac{1}{102.5} + \frac{1}{21} + \frac{1}{102.5} + \frac{1}{102.5}$$

$$z \left(\frac{1}{Re}\right)^{-1}$$

2

mine is even

model no

SRD-09VDC-SL-C

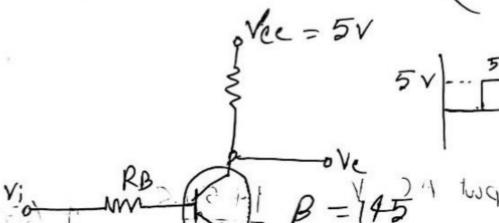
92

herce,

I est = 50 mA [datasheet]

Using BC637 BJE

for 50 mA, B=145 (120 to 160)



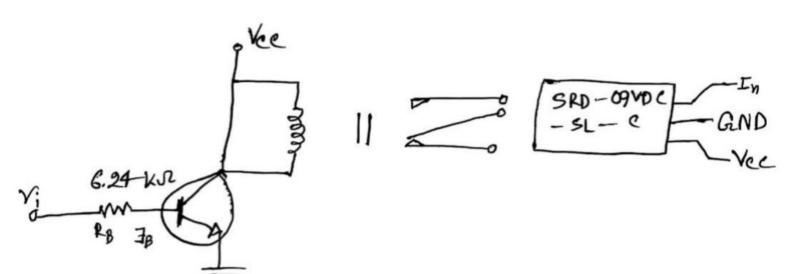
B = 145

IB & Icsot

: IB > 0.34 mA

Let,
$$IB = 0.689 \text{ mA}$$

 $RB = \frac{Vi - 0.7}{0.689} = 6.24 \text{ kg}$



Relay drivers