C-T-2 PH3104 Adwart Novavana 19M5151 Vec VCC= 12V | K. Cb2 Open at all capacitor: DC equivalens Rth = 1 + 1 10 + 3.3 = 2.48 k s RTh & Re. In V+h = R2 VCc = 3.3 x/2 R1+R2 10+3.3 = 3.096 V. IB, IE Vrn - 1/1 - 3.046 - 0.7

RTA + (B+1) R5 = 2-48+ 101x 1 20.022 e 2-2897 mA.

IB = 2-2897×100×100) 2-9897. VE + 0.7 = 9.733 12 - Icx1 VB - Vc = -7-34

anned with CamScanner

(b) he = \$200, hie = 2,2k.

hore = 1.5 × 10-3

hre = 1,2×10-5

Vee = hie is + hre vee

Vee = Vee - Icki - Isks

ic = he is + hoe Vee

ic = he is + hoe Vee