



Scanned by Scanner Go

```
Date: V (
A = -100 , R1 = 15 km, R. = 20 km, B= -0.25
  Zit = Zi (1+BA)
      = 15 k2 (1+ (00 · 15 k2 (1+ (-0.25) (-100))
      Zi = 390000
     21 = 390 KR
  f = 500Hz, R= 7.5 ks C=9
        2π RC \ 2π \ 2π \ C CR 2π RC \ 76
           2×3.14√677.5×103 2×3.14×7.5×103×500×√6
      C = 1.73 x10-8 = 0.01 x10
                     = 0.01 mF
                                          .0001.43
VDD=5V, RD=7 KR, Vth=0.8V, kn=2 mAly2
   Tog - 0.5 mA 1=0
       2m = \2knID = \2x2x0.5x1= = 1.41
     n1 =-9m Po = 1.4x7 = -9.87
```

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