

.MODEL QBC857CW PNP(

+ IS = 3.258E-14
+ NF = 0.999
+ ISE = 3.003E-15
+ NE = 1.45
+ BF = 515.4
+ IKF = 0.066
+ VAF = 25
+ NR = 0.9985
+ ISC = 4.393E-15
+ NC = 1.2
+ BR = 15.26
+ IKR = 0.039
+ VAR = 8
+ RB = 10
+ IRB = 5E-06
+ RBM = 5
+ RE = 0.7071
+ RC = 0.58
+ CJE = 1.024E-11
+ VJE = 0.9
+ MJE = 0.453
+ TF = 5.971E-10
+ XTF = 4.137
+ VTF = 6.31
+ ITF = 0.2108
+ PTF = 0
+ CJC = 6.345E-12
+ VJC = 0.4254
+ MJC = 0.423
+ XCJC = 0.6288
+ TR = 3.5E-08
+ CJS = 0
+ VJS = 0.75
+ MJS = 0.333
+ XTB = 0
+ XTI = 3
+ EG = 1.11
+ FC = 0.78)

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