

.MODEL QBC857BW PNP(

+ IS = 2.014E-14
+ NF = 0.9974
+ ISE = 6.578E-15
+ NE = 1.45
+ BF = 315.3
+ IKF = 0.079
+ VAF = 39.15
+ NR = 0.9952
+ ISC = 1.633E-14
+ NC = 1.15
+ BR = 8.68
+ IKR = 0.09
+ VAR = 9.5
+ RB = 10
+ IRB = 5E-06
+ RBM = 5E-06
+ RE = 0.663
+ RC = 0.718
+ CJE = 1.135E-11
+ VJE = 0.7071
+ MJE = 0.3808
+ TF = 6.546E-10
+ XTF = 5.387
+ VTF = 6.245
+ ITF = 0.2108
+ PTF = 0
+ CJC = 6.395E-12
+ VJC = 0.4951
+ MJC = 0.44
+ XCJC = 0.6288
+ TR = 5.5E-08
+ CJS = 0
+ VJS = 0.75
+ MJS = 0.333
+ XTB = 0
+ XTI = 3
+ EG = 1.11
+ FC = 0.9059
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