

.MODEL QBC847BW NPN(

+ IS = 1.822E-14  
+ NF = 0.9932  
+ ISE = 2.894E-16  
+ NE = 1.4  
+ BF = 324.4  
+ IKF = 0.109  
+ VAF = 82  
+ NR = 0.9931  
+ ISC = 9.982E-12  
+ NC = 1.763  
+ BR = 8.29  
+ IKR = 0.09  
+ VAR = 17.9  
+ RB = 10  
+ IRB = 5E-06  
+ RBM = 5  
+ RE = 0.649  
+ RC = 0.7014  
+ CJE = 1.244E-11  
+ VJE = 0.7579  
+ MJE = 0.3656  
+ TF = 4.908E-10  
+ XTF = 9.51  
+ VTF = 2.927  
+ ITF = 0.3131  
+ PTF = 0  
+ CJC = 3.347E-12  
+ VJC = 0.5463  
+ MJC = 0.391  
+ XCJC = 0.6193  
+ TR = 9E-08  
+ CJS = 0  
+ VJS = 0.75  
+ MJS = 0.333  
+ XTB = 0  
+ XTI = 3  
+ EG = 1.11  
+ FC = 0.979)

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