

.MODEL QBC817 NPN(

+ IS = 9.198E-14  
+ NF = 1.003  
+ ISE = 4.468E-16  
+ NE = 1.65  
+ BF = 338.8  
+ IKF = 0.4913  
+ VAF = 107.9  
+ NR = 1.002  
+ ISC = 5.109E-15  
+ NC = 1.071  
+ BR = 29.48  
+ IKR = 0.193  
+ VAR = 25  
+ RB = 1  
+ IRB = 1000  
+ RBM = 1  
+ RE = 0.2126  
+ RC = 0.143  
+ XTB = 0  
+ EG = 1.11  
+ XTI = 3  
+ CJE = 3.825E-11  
+ VJE = 0.7004  
+ MJE = 0.364  
+ TF = 5.229E-10  
+ XTF = 219.7  
+ VTF = 3.502  
+ ITF = 7.257  
+ PTF = 0  
+ CJC = 1.27E-11  
+ VJC = 0.4431  
+ MJC = 0.3983  
+ XCJC = 0.4555  
+ TR = 7E-11  
+ CJS = 0  
+ VJS = 0.75  
+ MJS = 0.333  
+ FC = 0.905)

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