

.MODEL QBC818-16 NPN(

+ IS = 3.615E-14  
+ NF = 0.9932  
+ ISE = 2.649E-15  
+ NE = 1.65  
+ BF = 223  
+ IKF = 0.5913  
+ VAF = 157.9  
+ NR = 0.992  
+ ISC = 1.741E-14  
+ NC = 1.119  
+ BR = 25.47  
+ IKR = 0.235  
+ VAR = 25  
+ RB = 1  
+ IRB = 1000  
+ RBM = 1  
+ RE = 0.2246  
+ RC = 0.17  
+ XTB = 0  
+ EG = 1.11  
+ XTI = 3  
+ CJE = 4.202E-11  
+ VJE = 0.6357  
+ MJE = 0.344  
+ TF = 5.869E-10  
+ XTF = 220  
+ VTF = 2.846  
+ ITF = 6.136  
+ PTF = 0  
+ CJC = 1.213E-11  
+ VJC = 0.3293  
+ MJC = 0.3658  
+ XCJC = 0.5218  
+ TR = 7E-11  
+ CJS = 0  
+ VJS = 0.75  
+ MJS = 0.333  
+ FC = 0.8528)

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