

.MODEL QBC817-16 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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