

.MODEL QBC817-40 NPN(

+ IS = 6.286E-14
+ NF = 0.9917
+ ISE = 4.53E-15
+ NE = 1.774
+ BF = 416.3
+ IKF = 0.4913
+ VAF = 98.08
+ NR = 0.9895
+ ISC = 1.877E-13
+ NC = 1.3
+ BR = 24.49
+ IKR = 0.203
+ VAR = 25
+ RB = 1
+ IRB = 1000
+ RBM = 1
+ RE = 0.2256
+ RC = 0.143
+ XTB = 0
+ EG = 1.11
+ XTI = 3
+ CJE = 3.568E-11
+ VJE = 0.726
+ MJE = 0.3721
+ TF = 4.826E-10
+ XTF = 120
+ VTF = 3.654
+ ITF = 5.104
+ PTF = 0
+ CJC = 1.296E-11
+ VJC = 0.3241
+ MJC = 0.3742
+ XCJC = 0.5218
+ TR = 7E-11
+ CJS = 0
+ VJS = 0.75
+ MJS = 0.333
+ FC = 0.8662)

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