

.MODEL QPMBT2369 NPN(

+ IS = 1.222E-15
+ NF = 0.9901
+ ISE = 3.895E-14
+ NE = 1.632
+ BF = 82.01
+ IKF = 0.196
+ VAF = 35.3
+ NR = 0.974
+ ISC = 1.85E-09
+ NC = 2.01
+ BR = 0.1731
+ IKR = 0.1
+ VAR = 29.6
+ RB = 0.5
+ IRB = 1E-06
+ RBM = 0.5
+ RE = 0.612
+ RC = 1.527
+ XTB = 0
+ EG = 1.11
+ XTI = 3
+ CJE = 3.411E-12
+ VJE = 0.7352
+ MJE = 0.3437
+ TF = 2.115E-10
+ XTF = 127
+ VTF = 2.3
+ ITF = 1.534
+ PTF = 0
+ CJC = 1.605E-12
+ VJC = 0.198
+ MJC = 0.1711
+ XCJC = 0.4
+ TR = 60E-9
+ CJS = 0
+ VJS = 0.75
+ MJS = 0.333
+ FC = 0.9399)

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