

.MODEL QPMBT2222 NPN(

+ IS=29.13E-15  
+ NF=992.6E-3  
+ ISE=9.652E-15  
+ NE=1.516  
+ BF=256.7  
+ IKF = 489.9E-3  
+ VAF = 80.99  
+ NR = 984.4E-3  
+ ISC = 320.3E-12  
+ NC = 1.608  
+ BR = 6.590  
+ IKR = 192.9E-3  
+ VAR = 101.2  
+ RB = 1.000  
+ IRB = 1.000E-3  
+ RBM = 1.000  
+ RE = 193.4E-3  
+ RC = 224.8E-3  
+ XTB = 0.000  
+ EG = 1.110  
+ XTI = 3.000  
+ CJE = 25.89E-12  
+ VJE = 689.1E-3  
+ MJE = 366.8E-3  
+ TF = 293.9E-12  
+ XTF = 71.78  
+ VTF = 20.00  
+ ITF = 4.797  
+ PTF = 0.000  
+ CJC = 10.11E-12  
+ VJC = 662.2E-3  
+ MJC = 416.0E-3  
+ XCJC = 1.000  
+ TR = 320.0E-9  
+ CJS = 0.000  
+ VJS = 750.0E-3  
+ MJS = 333.0E-3  
+ FC = 938.8E-3 )

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