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* Vishay Intertechnology, Inc.                 *
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VS-30BQ040
*****
* Model Diode                                   *
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MODEL part0 D

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+ IS=1.0000E-6
+ N=.84086
+ RS=53.027E-3
+ IKF=98.397E-3
+ CJO=1.0058E-9
+ M=.56402
+ VJ=.3905
+ ISR=2.2155E-6
+ NR=4.9950
+ BV=47.999
+ IBV=10.000E-3
T_MEASURED=25

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.ENDS 30BQ040

Thermal Model Subcircuit

.SUBCKT 30BQ040 5 1

| | | | |
|---------|---|---|----------|
| CTHERM1 | 5 | 4 | 1.47E-04 |
| CTHERM2 | 4 | 3 | 6.02E-03 |
| CTHERM3 | 3 | 2 | 9.74E-02 |
| CTHERM4 | 2 | 1 | 1.56E+00 |

| | | | |
|----------|---|---|----------|
| R THERM1 | 5 | 4 | 7.75E-01 |
| R THERM2 | 4 | 3 | 2.84E+00 |
| R THERM3 | 3 | 2 | 4.93E+00 |
| R THERM4 | 2 | 1 | 3.34E+00 |

.ENDS 30BQ040



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