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*DD Vishay Semiconductor Italiana SPA

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*This document is intended as a SPICE modeling guideline and does not

*constitute a commercial product datasheet. Designers should refer to the

*appropriate datasheet of the same number for guaranteed specification

*limits.

* Model fit device @25°C-125°C

* DEVICE= VS-4C06ET07T-S2L, SiC Diode

.MODEL VS-4C06ET07T-S2L D

+ IS=1.078843E-10

+ N=1.583994E+00

+ RS=4.977384E-02

+ IKF=1.999852E+01

+ EG=3.260000E+00

+ CJO=3.477599E-10

+ M=4.627352E-01

+ VJ=1.200000E+00

+ FC=5.000000E-01

+ ISR=1.000000E-20

+ NR=4.995000E+00

+ BV=8.556370E+02

+ IBV=5.238500E-01

+ TT=1.000000E-08

+ XTI=-7.363542E+01

+ TIKF=-7.337155E-06

+ TRS1=6.594288E-04

+ TRS2=3.458248E-05

*THERMAL MODEL SUBCIRCUIT

*RC Foster model

.SUBCKT zth- VS-4C06ET07T-S2L Tj Tc

R THERM1	Tj	1	4.38275E-01
R THERM2	1	2	1.10018E+00
R THERM3	2	3	2.64991E-01
R THERM4	3	Tc	6.41549E-01

C THERM1	Tj	1	1.29858E-03
C THERM2	1	2	2.59331E-03
C THERM3	2	3	4.70209E-02
C THERM4	3	Tc	1.24240E-01

.ENDS zth- VS-4C06ET07T-S2L



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