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*DD Vishay Semiconductor Italiana SPA

*File Name: VS-6CSH01-02.txt

*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-6CSH01-02, Diode

.MODEL VS-6CSH01-02 D

+ IS=2.865099E-10

+ N=1.244264E+00

+ RS=1.253190E-02

+ IKF=1.473037E-01

+ EG=1.110000E+00

+ CJO=5.602423E-11

+ M=3.613670E-01

+ VJ=6.025763E-01

+ FC=5.000000E-01

+ ISR=1.000000E-20

+ NR=4.995000E+00

+ BV=3.039000E+02

+ IBV=1.000000E-03

+ TT=1.000000E-08

+ XTI=2.148332E-01

+ TIKF=1.492860E-02

+ TRS1=2.831568E-03

+ TRS2=-2.625083E-05

*THERMAL MODEL SUBCIRCUIT

*RC Foster model

.SUBCKT zth- VS-6CSH01-02 Tj Tc

R THERM1	Tj	1	1.08081E+00
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R THERM2	1	2	1.14321E+00
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R THERM3	2	Tc	5.60667E-01
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C THERM1	Tj	1	1.52406E-03
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C THERM2	1	2	6.12390E-03
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C THERM3	2	Tc	1.01086E-01
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.ENDS zth- VS-6CSH01-02



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