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*DD Vishay Semiconductors Italiana SPA

*File Name: 15EVH06.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.

* Electrical spice model @(25°C & 150°C)

*T=25°C-150°C

.MODEL 15EVH06 D

+ IS=6.788E-4

+ N=5.03

+ RS=4.097E-3

+ IKF=4.27

+ CJO=100.25E-12

+ M=.4118

+ VJ=.3905

+ ISR=10.010E-21

+ NR=4.9950

+ BV=750

+ IBV=.25865

+ TT=18.1E-9

+ XTI=28

+ Tikf=0.046

+ Trs1=0.005

*THERMAL MODEL SUBCIRCUIT

*RC Foster model

.SUBCKT zth-15EVH06 Tj Tc

R THERM1	Tj	1	5.705e-01
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R THERM2	1	2	5.357e-01
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R THERM3	2	3	1.079e-02
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R THERM4	3	Tc	3.474e-02
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C THERM1	Tj	1	4.523e-02
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C THERM2	1	2	5.236e-03
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C THERM3	2	3	1.349e-04
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C THERM4	3	Tc	1.228e-03
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.ENDS zth-15EVH06



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