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* DD Vishay Semiconductor Italiana SPA

* File Name: VS-2EFH01-02.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 at 25°C 125°C

* DEVICE=2EFH01-02,D

.MODEL VS-2EFH01-02 D

+ IS=350.53E-9

+ N=2.0451

+ RS=10.781E-3

+ IKF=2.3074

+ CJO=28.151E-12

+ M=.21044

+ VJ=.3905

+ ISR=10.010E-21

+ NR=4.9950

+ BV=250.30

+ IBV=10

+ TT=23.083E-9

+ XTI=2.5

+ Tikf=0.042

+ Trs1=0.0025

*THERMAL MODEL SUBCIRCUIT

*RC Foster model

.SUBCKT zth-2EFH01-02 Tj Tl

R THERM1	Tj	1	6.482e-02
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R THERM2	1	2	8.640e+00
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R THERM3	2	3	8.612e-03
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R THERM4	3	Tl	1.411e+00
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C THERM1	Tj	1	1.092e-03
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C THERM2	1	2	2.490e-03
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C THERM3	2	3	2.856e-04
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C THERM4	3	Tl	5.768e-04
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.ENDS zth-2EFH01-02



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