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*DD Vishay Semiconductors Italiana SPA

*File Name: E7FX0212.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=E7FX0212,D

.MODEL VS-E7FX0212 D

+ IS=19.980E-6

+ N=4.9950

+ RS=69.462E-3

+ IKF=75.511E-3

+ CJO=12.145E-12

+ M=.17584

+ VJ=.3905

+ ISR=10.010E-21

+ NR=4.9950

+ BV=1.3505E3

+ IBV=10

+ TT=54.30E-9

+ XTI=30

+ Tikf=0.048

+ Trs1=0.0015

*THERMAL MODEL SUBCIRCUIT

*RC Foster model

.SUBCKT zth-E7FX0212 Tj Ta

R THERM1	Tj	1	1.312e+00
R THERM2	1	2	1.675e+01
R THERM3	2	3	7.908e+00
R THERM4	3	Ta	1.280e-01

C THERM1	Tj	1	2.004e-04
C THERM2	1	2	9.266e-03
C THERM3	2	3	2.616e-03
C THERM4	3	Ta	1.534e-05

.ENDS zth-E7FX0212



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