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\*April 28, 2026

\*DD Vishay Semiconductor Italiana SPA

\*File Name: E7SX0212.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= E7SX0212, D

.MODEL E7SX0212 D

+ IS=3.145843E-05

+ N=5.110903E+00

+ RS=7.102454E-02

+ IKF=1.138634E-01

+ EG=1.110000E+00

+ CJO=1.330028E-11

+ M=3.718394E-01

+ VJ=3.165915E-01

+ FC=5.000000E-01

+ ISR=1.000000E-20

+ NR=4.995000E+00

+ BV=1.350500E+03

+ IBV=1.000000E+01

+ TT=1.000000E-08

+ XTI=2.799249E+01

+ TIKF=4.560818E-02

+ TRS1=-2.000000E-04

+ TRS2=5.800000E-06

\*THERMAL MODEL SUBCIRCUIT

\*RC Foster model

.SUBCKT zth- E7SX0212 Tj Tc

R THERM1	Tj	1	6.64231E-01
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R THERM2	1	2	3.01977E+00
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R THERM3	2	3	4.25091E+00
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R THERM4	3	4	4.57792E+00
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R THERM5	4	Tc	2.49990E+00
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C THERM1	Tj	1	9.97003E-04
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C THERM2	1	2	6.98812E-04
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C THERM3	2	3	1.39649E-02
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C THERM4	3	4	5.75070E-02
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C THERM5	4	Tc	7.46989E-01
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.ENDS zth- E7SX0212



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