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*DD Vishay Semiconductor Italiana SPA

*File Name: VS-10ETS08-12 zth.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.

*DEVICE=VS-10ETS08-12, Diode

* Technology: DIODE

* Device: DIODE

* Description:

* Type: Typical (nom)

* Model established: 07.01.2025

* Wafer:

* Remarks:

* Revision: 07.01.2025

* Simulation Model:

* Simulator: SpiceMod /LTSPICE

.MODEL VS-10ETS08-12 D

+ IS=1.0000E-9

+ N=1.5154

+ RS=7.9961E-3

+ IKF=.95308

+ CJO=136.56E-12

+ M=.42354

+ VJ=.59991

+ ISR=44.319E-9

+ NR=4.9950

+ BV=1.3800E3

+ IBV=100.00E-6

*DEVICE=VS-10ETS08-12, Diode

*THERMAL MODEL SUBCIRCUIT

*RC Foster model

.SUBCKT zth-10ETS08-12 Tj Tc

R THERM1	Tj	1	6.743e-01
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R THERM2	1	2	3.786e-02
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R THERM3	2	3	4.289e-01
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R THERM4	3	Tc	1.059e-02
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C THERM1	Tj	1	6.578e-02
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C THERM2	1	2	1.647e-03
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C THERM3	2	3	6.830e-03
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C THERM4	3	Tc	1.539e-04
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.ENDS zth-10ETS08-12



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