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*DD Vishay Semiconductor Italiana SPA

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*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 150°C

*DEVICE=20ETS08-12-series,D

.MODEL VS-20ETS08-12-series D

+ IS=897.57E-12

+ N=1.4779

+ RS=5.1165E-3

+ IKF=9.6875

+ CJO=392.49E-12

+ M=.40428

+ VJ=.3905

+ ISR=23.946E-9

+ NR=4.9950

+ BV=1.200E3

+ IBV=2E-4

+ TT=7.5E-7

+ XTI=3.1

+ Tikf=0.036

+ Trs1=0.0037

THERMAL MODEL SUBCIRCUIT

*RC Foster model

.SUBCKT zth-20ETS08-12-series Tj Tc

R THERM1	Tj	1	4.561e-03
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R THERM2	1	2	5.113e-01
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R THERM3	2	3	2.746e-02
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R THERM4	3	Tc	1.892e-01
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C THERM1	Tj	1	4.142e-04
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C THERM2	1	2	2.022e-01
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C THERM3	2	3	5.459e-03
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C THERM4	3	Tc	3.049e-02
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.ENDS zth-20ETS08-12-series



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